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# FERTILIZER ANALYSES

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ADDRESS

Chemical Department, Maryland Agricultural College

COLLEGE PARK, MD.

ANALYSES OF

# Fetilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

## The Maryland Agricultural College


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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from February to July, 1914, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer, his name, or initials, will be found after the "place of sampling." If "place of sampling" is not given, the sample has been made up of two or more samples taken at different places. Before sending samples of fertilizer for analysis, farmers should always send for blank forms and directions, stating the number of blanks wanted. One blank is required for each sample. No sample will be analyzed unless the proper blank form is used.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid," are percentages, or pounds per hundred. To get pounds per ton multiply the per cent by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential parts of the guarantee as stamped on the bags.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory; the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the following schedule:

## SCHEDULE FOR CALCULATING COMPARATIVE VALUES.

**In Mixed Fertilizers:**

| | | |
|---|---|---|
| For Nitrogen, calculated as Ammonia | 20 | cts. per pound |
| For Potash ($K_2O$), in forms free from muriate | 6 | cts. per pound |
| For Potash ($K_2O$), as muriate or kainit | 5 | cts. per pound |
| For Available Phosphoric Acid | 6 | cts. per pound |
| For Insoluble Phosphoric Acid | 2 | cts. per pound |
| For Insoluble Phosphoric Acid when from rock | 1 | ct. per pound |

**In Dissolved Rock:**

| | | |
|---|---|---|
| Available Phosphoric Acid | 4½ | cts. per pound |
| Insoluble Phosphoric Acid | 1 | ct. per pound |

**In Tankage:**

| | | |
|---|---|---|
| For Nitrogen, calculated as Ammonia | 15 | cts. per pound |
| For Phosphoric Acid | 3 | cts. per pound |

**In Ground Bone:**

| | | |
|---|---|---|
| For Nitrogen, calculated as Ammonia | 20 | cts. per pound |
| For Phosphoric Acid | 3 | cts. per pound |

The "Comparative Values" given in the Table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use. They will be found to be not far from the prices for which fertilizers may be obtained at Baltimore, for cash. In making comparisons at other points freight from Baltimore should be added.

The new fertilizer law went into effect February 1, 1913. This law does not affect the method of analysis or publication of results. It does, however, simplify guarantees by prohibiting confusing repetitions and giving the same constituent in two or more forms.

For example, the "Total Phosphoric Acid" is the sum of the "Available Phosphoric Acid" and the "Insoluble Phosphoric Acid." As the latter is generally small in amount and of little value, it is frequently omitted by the manufacturer in his guarantee, which would then be—

Available Phosphoric Acid..... %
Potash ..... %
Ammonia ..... %

In addition to the above the Insoluble Phosphoric Acid may be given.

Instead of a guarantee of "Ammonia," the equivalent amount of "Nitrogen" may be given.

In bone, fish, tankage and other animal or vegetable matter that has not been treated with acid (dissolved), it is lawful to guarantee the phosphoric acid simply as "Total Phosphoric Acid."

The law permits the guaranteeing of the maximum amount of "Chlorine." This is not required and is rarely done. If chlorine is absent it indicates that the potash present is in the form of sulfate of potash, which has a higher commercial value than when derived from muriate of potash or kainit. It is generally claimed that chlorine should not be present in tobacco fertilizers.

Low-grade fertilizer is to be guaranteed as such.

The law requires that the bags containing the following fertilizers be plainly marked "Low Grade," in addition to the usual guarantee.

(a) Acid phosphate (dissolved rock) containing less than 14% of available phosphoric acid.

(b) Phosphate and potash with less than 2% of potash or with less than 12% of potash and available phosphoric acid combined. Thus a "10 & 2" fertilizer just escapes the "low grade" class.

(c) Any ammoniated fertilizer with less than 1% of ammonia, or its equivalent in nitrogen, or less than 1% of potash, if potash is claimed to be present, and less than 10% of ammonia, potash and available phosphoric acid combined. Thus a "1, 8 & 1" fertilizer just escapes the "low grade" class.

"Low grade" fertilizers are either made up with filler or by the use of poor materials. Even those not required to be marked "low grade" are not always free, by any means, as the minimum requirement to escape this class is rather low.

As a rule one can get more pounds of real fertilizer for a given amount of money in high-grade fertilizers than in low grade, hence the former are cheaper in the end.

Fertilizer should never be purchased without a guaranteed analysis.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **American Agricultural Chemical Co** | **., New York, N. Y.** | | | | | | | | | | |
| 28128 | Acme Fish Mixture | Baltimore | 1.71 | 1.00 | 2.96 | 3.00 | .97 | .... | 7.61 | 8.00 | $19.32 | $16.60 |
| 28193 | Ammoniated Mixture | Baltimore | 3.65 | 4.00 | 12.88 | 10.00 | .95 | ..... | 8.02 | 8.00 | 37.48 | 35.60 |
| 28334 | Big Crop Phosphate | Baltimore | ..... | ..... | 4.88 | 5.00 | .80 | ..... | 9 70 | 8.00 | 13.77 | 12.20 |
| 28122 | Complete Manure with 10% Pot. | Baltimore | 3.72 | 4.00 | 11.18 | 10.00 | 1 62 | ..... | 6.68 | 6.00 | 34.73 | 33 20 |
| 28377 | Dead Shot Phos. (Low Grade) | Baltimore | .65 | .50 | 2.14 | 2.00 | .57 | ..... | 9.32 | 8 00 | 16.15 | 13.60 |
| 28121 | Dissolved Animal Bone | Baltimore | 2.53 | 2.50 | ..... | ... | 2.27 | ..... | 12.20 | 12.00 | 25.67 | 24.40 |
| 28129 | Delaware Corn Grower (Low Gr) | Baltimore | ..... | ..... | 2.86 | 3.00 | .50 | ..... | 6.75 | 6.00 | 9.04 | 8.40 |
| 28240 | Excelsior Alkaline Bone | Baltimore | ..... | ..... | 5.14 | 5.00 | .72 | ..... | 9.58 | 10.00 | 13 90 | 14.00 |
| 28130 | Excelsior Potash Phosphate | Baltimore | ..... | ..... | 5.32 | 5.00 | .57 | ..... | 8.83 | 8.00 | 13.38 | 12.20 |
| 28308 | Fruit Tree Invigorator | Smithsburg | ..... | ..... | 7.20 | 8.00 | .82 | ..... | 10.13 | 10.00 | 16.48 | 17 00 |
| 28246 | Gem Alkaline Phos. (Low Gr.) | Baltimore | ..... | ..... | 3 56 | 3.00 | .25 | ..... | 7.05 | 6.00 | 9.96 | 8.40 |
| 28370 | H. G. Potash Compound | Baltimore | 2.08 | 2.00 | 9 76 | 10.00 | .90 | ..... | 8.55 | 8.00 | 28 70 | 27.60 |
| 28194 | Ideal Corn Grower | Baltimore | 1.01 | 1.00 | 4.26 | 4.00 | 1.15 | ..... | 8.03 | 8.00 | 18.40 | 17.60 |
| 28431 | Potash Mixture 10% | Annapolis | 1.91 | 2.00 | 10 18 | 10.00 | .80 | ..... | 5.42 | 5.00 | 24.64 | 24.00 |
| 28013 | Pure Raw Bone | Baltimore | 4.30 | 4.50 | ..... | ..... | *21.53 | *21.51 | ..... | ..... | 30 12 | 30.91 |
| 28000 | Muriate of Potash | Baltimore | ..... | ..... | 50.64 | 49.00 | .... | ..... | ..... | ..... | ..... | ..... |
| 28223 | Special Potash Mixture | Baltimore | 1.14 | 1.00 | 7.02 | 7.00 | .97 | ..... | 9.07 | 9.00 | 22.85 | 21.80 |
| 28326 | Special for Potatoes & Truck | Baltimore | 2.01 | 2.00 | 9.90 | 10.00 | 1.37 | ..... | 8.02 | 8.00 | 28.11 | 27.60 |
| 28108 | Special Tomato Fertilizer | Baltimore | 1.18 | 1 00 | 4.08 | 4.00 | 1.30 | ..... | 8.01 | 8.00 | 18.93 | 17.60 |
| 28079 | Star Crop Grower | Baltimore | ..... | ..... | 5.22 | 5.00 | .72 | ..... | 10 53 | 10 00 | 14.84 | 14.00 |
| 28157 | Super-Phosphate 16% | Baltimore | ..... | ..... | ..... | ... | 1.02 | ..... | 16.08 | 16.00 | 14 67 | 14 40 |
| 28432 | Sweet Potato & Truck Special | Baltimore | 2.20 | 2.00 | 6.04 | 6.00 | .82 | ..... | 8.11 | 8.00 | 24.90 | 23.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28030 | Top Notch Phosphate | Baltimore | 2.25 | 2.00 | 5.06 | 5.00 | 1.05 | ..... | 8.26 | 8.00 | $24.39 | $22.60 |
| 28273 | Wheat & Grass Phosphate | Hampstead | 1.04 | 1.00 | 4.02 | 4.00 | 1.15 | ..... | 8.30 | 8.00 | 18.60 | 17.60 |
| | **A. A. C. Co., (Canton), Balto., Md.** | | | | | | | | | | | |
| 28252 | Baker's Dissolved S. C. Phos. | Baltimore | ..... | ..... | ..... | ..... | .97 | ..... | 14.58 | 14.00 | 13.31 | 12.60 |
| 28150 | Baker's Fish Guano | Baltimore | 2.63 | 2.00 | 3.56 | 2.00 | 1.37 | ..... | 8.06 | 8.00 | 24.30 | 19.60 |
| 28487 | "Spec. Wht, Corn & Grass Mix. | Baltimore | 1.06 | 1.00 | 2 10 | 2.00 | 1.15 | ..... | 9.02 | 9.00 | 17.62 | 16.80 |
| 28195 | Baker's Standard H. G. Guano | Baltimore | 2.05 | 2.50 | 3.30 | 3.00 | .95 | ..... | 8.05 | 8.00 | 21.54 | 22.60 |
| 28438 | CCC Special Compound | Baltimore | 2.63 | 2.50 | 5.76 | 6.00 | 1.25 | ..... | 9.08 | 8.00 | 27.77 | 25.60 |
| 28395 | Eagle Phosphate (Low Grade) | Baltimore | 1.02 | 1.00 | 1.22 | 1.00 | .87 | ..... | 7.31 | 7.00 | 14.42 | 13.40 |
| 28274 | Harrow Brand Crop Grower | Maple Grove | 1.06 | 1.00 | 1.14 | 1.00 | .77 | ..... | 8.38 | 8.00 | 15.75 | 14.60 |
| 28275 | Potato Manure | Maple Grove | 1.54 | 1.50 | 4.92 | 5.00 | .82 | ..... | 6.23 | 6.00 | 18.89 | 18.20 |
| 28276 | Resurgam Guano | Maple Grove | 1.11 | 1.00 | 4.32 | 4.00 | 1.12 | ..... | 8.08 | 8.00 | 16.91 | 17.60 |
| 28247 | Soluble Phosphate & Potash | Baltimore | ..... | ..... | 2.26 | 2.00 | .52 | ..... | 10 18 | 10.00 | 11.52 | 11.00 |
| 28042 | Truckers Delight | Baltimore | 4 74 | 5.00 | 5.46 | 5.00 | 1.57 | ..... | 7.15 | 7.00 | 33.63 | 33.40 |
| 28043 | Truckers Special Guano 7% | Baltimore | 7.05 | 7.00 | 5.68 | 5.00 | 1 87 | ..... | 6.23 | 6.00 | 42.11 | 40.20 |
| | **A. A. C. Co., (Detrick), Balto., Md.** | | | | | | | | | | | |
| 28378 | Ammoniated Bone Phosphate | Baltimore | 1.52 | 1.50 | 2 04 | 2.00 | 1.32 | ..... | 9 21 | 9.00 | 19.70 | 18.80 |
| 28234 | Corn & Oats Fertilizer | Baltimore | 1 09 | 1.00 | 3.06 | 3.00 | 1.25 | ..... | 9.28 | 9.00 | 19.06 | 17.80 |
| 28015 | Dissolved S. C. Phosphate | Baltimore | ..... | ..... | ..... | ..... | .40 | ..... | 14.42 | 14.00 | 13.06 | 12.60 |
| 28371 | Fish Mixture | Baltimore | 2 71 | 2 00 | 2.22 | 2.00 | .75 | ..... | 8.02 | 8.00 | 22.98 | 19.60 |
| 28001 | Gold Basis | Baltimore | 6.91 | 7.00 | 5.26 | 5.00 | 1.42 | ..... | 6.26 | 6 00 | 40.98 | 40 20 |
| 28450 | Gold Basis | Pocomoke (L. C. Y.) | 6.62 | 7.00 | 5 90 | 5.00 | 1.15 | ..... | 6.75 | 6.00 | 40.94 | 40.20 |
| 28123 | Gold Eagle | Baltimore | 3.04 | 3.00 | 6.04 | 6.00 | 1.45 | ..... | 6.17 | 6.00 | 26 18 | 25.20 |
| 28257 | Imperial Compound | Middletown | 1.08 | 1.00 | 2.18 | 2.00 | .90 | 1.00 | 8 08 | 8.00 | 16.56 | 16.00 |
| 28131 | Kangaroo Komplete Kompound | Baltimore | 1.89 | 2.00 | 3.20 | 3.00 | 1.12 | ..... | 8.19 | 8.00 | 21.04 | 20.60 |
| 28235 | P. & B. Special | Baltimore | ..... | ..... | 3.24 | 3.00 | .95 | ..... | 12.20 | 12.00 | 14 41 | 13.80 |
| 28305 | Pure Raw Bone | Pikesville | 4.78 | 4.50 | ..... | ..... | *21.65 | *21.51 | ..... | ..... | 32.11 | 30.91 |
| 28357 | Quick Step Phosphate | Baltimore | 3.02 | 3.00 | 4.02 | 4.00 | 1.65 | ..... | 8.03 | 8.00 | 26.40 | 25.60 |
| 28362 | Royal Crop Grower | Baltimore | 2 05 | 2.00 | 2 60 | 2.00 | .85 | ..... | 8.08 | 8.00 | 20.84 | 19.60 |
| 28335 | Soluble Phosphate & Potash | Baltimore | ..... | ..... | 2.18 | 2.00 | .57 | ..... | 10.51 | 10.00 | 11.75 | 11.00 |
| 28376 | Special Tobacco Fertilizer | Baltimore | 2.53 | 3.00 | 3.03 | 3.00 | 1.15 | ..... | 9.08 | 8.00 | 24.51 | 24.60 |
| 28098 | Special Trucker | Baltimore | 4.88 | 5.00 | 5.34 | 5.00 | 1.62 | ..... | 7.40 | 7.00 | 34.39 | 33.40 |
| 28199 | Standard Potash Fertilizer | Baltimore | 1.57 | 1.50 | 5.06 | 5.00 | 85 | ..... | 6 22 | 6 00 | 19 14 | 18.20 |
| 28439 | Vegetator Amm'd. Super Phos. | Baltimore | 2.58 | 2.50 | 3 42 | 3.00 | 1.12 | ..... | 8.16 | 8.00 | 23.98 | 22.60 |
| 28236 | Victory Alkaline Bone | Baltimore | ..... | ..... | 5.28 | 5.00 | 1.07 | ..... | 12.01 | 12.00 | 16 30 | 15.80 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **A. A. C. Co., (Dudley & Carpenter),** | **Balto., Md.** | | | | | | | | | | |
| 28446 | California Tobacco Compound.. | Baltimore..... | 3.23 | 4.00 | 2.70 | 2.00 | 1.35 | ..... | 8.60 | 8.00 | $26.48 | $27.60 |
| 28008 | Special Tabacco Plant Guano... | Baltimore..... | 9.10 | 10 00 | 3.76 | 3.00 | 1.82 | ..... | 5.05 | 5 00 | 46.95 | 49 00 |
| 28041 | Special Wheat Mixture..... | Baltimore..... | ..... | ..... | 3.34 | 3.00 | .80 | ..... | 12 50 | 12.00 | 14.75 | 13.80 |
| | **A. A. C. Co., (Lazaretto), Balto., Md.** | | | | | | | | | | | |
| 28396 | Ammoniated Phosphate..... | Elicott City ..... | 1.04 | 1.00 | 2.16 | 2.00 | .90 | ..... | 8.83 | 8.00 | 17.28 | 15.60 |
| 28327 | Crop Grower..... | Baltimore ..... | 2.03 | 2.00 | 2.48 | 2.00 | .95 | ..... | 8.02 | 8.00 | 20.60 | 19.60 |
| 28132 | Dissolved Phosphate..... | Baltimore ..... | ..... | ..... | ..... | ..... | 1.22 | ..... | 13.41 | 14.00 | 12 31 | 12.60 |
| 28445 | Dissolved Phosphate & Potash.. | Baltimore..... | ..... | ..... | 3.04 | 2.00 | .70 | ..... | 10.25 | 10.00 | 12.41 | 11.00 |
| 28009 | Early Trucker..... | Pocomoke City ..... | 4.62 | 5.00 | 5.18 | 5.00 | 1.37 | ..... | 7.40 | 7 00 | 33.09 | 33.40 |
| 28174 | H. G. Dissolved Phos. & Potash | Baltimore ..... | ..... | ..... | 5.32 | 5.00 | .87 | ..... | 10.93 | 10.00 | 15.33 | 14.00 |
| 28336 | H. G. Dissolved Phos. & Potash | Baltimore ..... | ..... | ..... | 8.42 | 8.00 | 1.17 | ..... | 10.48 | 10.00 | 18.08 | 17.00 |
| 28470 | H. G. Dissolved Phos. & Potash | Hagerst'n(W.H.A.) | .... | ..... | 6 64 | 5.00 | 1.27 | ..... | 10.83 | 12.00 | 16.64 | 15.80 |
| 28109 | Retriever Animal Bone Fert.... | Baltimore ..... | 2.32 | 2.25 | 3.56 | 4.00 | 3.55 | 4.50 | 9.97 | 9.00 | 26 22 | 25.60 |
| 28340 | Special Potato & Tobacco Fert. | Baltimore ..... | 1 02 | 1.00 | 4.44 | 4.00 | 1.17 | ..... | 8.28 | 8.00 | 18.98 | 17.60 |
| 28151 | Tomato Compound..... | Baltimore ..... | 1.55 | 1.50 | 4.74 | 5.00 | .82 | ..... | 6.46 | 6.00 | 19.02 | 18.20 |
| 28143 | Truckers Favorite..... | Baltimore ..... | 7.05 | 7.00 | 5.54 | 5 00 | 1.57 | ..... | 6.15 | 6.00 | 41.75 | 40.20 |
| 28392 | Wht, Corn & Grass Gr. (L. Gr.) | Baltimore..... | .55 | .50 | 1.90 | 2.00 | .72 | ..... | 8.36 | 8.00 | 14.42 | 13.60 |
| | **A. A. C. Co., (Maryland), Balto., Md.** | | | | | | | | | | | |
| 28099 | Special Compound..... | Baltimore ..... | 2.01 | 2 00 | 10.80 | 10.00 | .70 | ..... | 8.02 | 8.00 | 28.74 | 27.60 |
| | **A. A. C. Co., (Nickerson), Easton, Md.** | | | | | | | | | | | |
| 28031 | Acid Phosphate ..... | Baltimore ..... | ..... | ..... | ..... | ..... | .97 | ..... | 15.85 | 14.00 | 14.46 | 12.60 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28144 | Dissolved Bone & Potash | Baltimore | ..... | ..... | 5.44 | 5.00 | 1.00 | ..... | 12.04 | 12 00 | $16.48 | $15.80 |
| 28110 | Early Queen | Baltimore | 4.85 | 5.00 | 5.38 | 5.00 | 1.25 | ..... | 7.65 | 7.00 | 34.46 | 33.40 |
| 28253 | Eastern Shore Domestic Guano | Baltimore | 2.03 | 2.00 | 3.04 | 3.00 | 1.12 | ..... | 8.56 | 8.00 | 21 88 | 20 60 |
| 28111 | Fish, Bone & Potash | Baltimore | 2.90 | 3.00 | 4.26 | 4.00 | 1 22 | ..... | 8.08 | 8.00 | 26.05 | 25.60 |
| 28158 | H. G. Vegetable Compound | Baltimore | 7.15 | 7.00 | 5.44 | 5.00 | 1.55 | ..... | 6.25 | 6.00 | 42.16 | 40.20 |
| 28402 | Mixture (Low Grade) | Baltimore | .80 | .50 | 2.88 | 2.00 | .82 | ..... | 8.11 | 8.00 | 16.14 | 13 60 |
| 28032 | Tomato Fertilizer | Baltimore | 1.11 | 1.00 | 4.22 | 4.00 | 1.27 | ..... | 7.81 | 8.00 | 18.54 | 17.60 |
| | **A. A. C. Co., (Packers Union), Rutland, Vt.** | | | | | | | | | | | |
| 28440 | Universal Fertilizer | Baltimore | 1.06 | 1.00 | 4.28 | 4.00 | .90 | ..... | 8.95 | 8.00 | 19.62 | 17.60 |
| | **A. A. C. Co., (Pollock Fertilizer Co.), Balto., Md.** | | | | | | | | | | | |
| 28152 | Accomac Trucker | Baltimore | 4.83 | 5.00 | 5.56 | 5.00 | 1.80 | ..... | 8.35 | 7.00 | 35.62 | 33.40 |
| 28341 | Ammoniated Super-Phosphate | Baltimore | 2.17 | 2.00 | 3.24 | 2.00 | 1.25 | ..... | 8.08 | 8.00 | 22.12 | 19.60 |
| 28179 | Crop Invigorator | Baltimore | 1.09 | 1.00 | 4.24 | 4.00 | 1.17 | ..... | 7.57 | 8.00 | 18.15 | 17.60 |
| 28124 | Dissolved Phosphate & Potash | Baltimore | ..... | ..... | 4.10 | 4.00 | .47 | ..... | 10 08 | 10.00 | 13.26 | 13.00 |
| 28537 | Dissolved S. C. Phosphate | Baltimore | ..... | ..... | ..... | ..... | .58 | ..... | 14.37 | 14.00 | 13 05 | 12.60 |
| 28538 | H. G. Cabbage & Onion Grower | Baltimore | 3.77 | 4.00 | 7.04 | 8.00 | 2.00 | ..... | 8.52 | 7.00 | 33 14 | 32.40 |
| 28505 | H. G. Super-Phosphate | Baltimore | ..... | ..... | ..... | ..... | .17 | ..... | 16.42 | 16.00 | 14.81 | 14.40 |
| 28277 | Owl Brand (Low Grade) | Manchester | 0.82 | .50 | 1.68 | 1.50 | .75 | ..... | 7 10 | 7.00 | 13.78 | 11.90 |
| 28070 | Special Potato & Tobacco Fert | Baltimore | 2.08 | 2.00 | 3 72 | 4.00 | 1.22 | ..... | 8.30 | 8.00 | 22.49 | 21.60 |
| 28159 | Special Wheat & Corn Fert | Baltimore | 1.14 | 1.00 | 2.14 | 2.00 | 1.37 | ..... | 8.68 | 8.00 | 17.67 | 15.60 |
| 28278 | Star Alkaline | Manchester | ..... | ..... | 5.26 | 5.00 | .60 | ..... | 12.02 | 12.00 | 16.20 | 15.80 |
| 28189 | Sun Guano | Baltimore | ..... | ..... | 5.94 | 6.00 | .87 | ..... | 10.13 | 10.00 | 15.23 | 15.00 |
| 28248 | Victor Brand Phos. (L. Grade) | Baltimore | ..... | ..... | 1.16 | 1.00 | .37 | ..... | 10.08 | 9.00 | 10.30 | 9 10 |
| | **A. A. C. Co., (Reese), Balto., Md.** | | | | | | | | | | | |
| 28342 | Dissolved Phosphate of Lime | Baltimore | ..... | ..... | ..... | ..... | .82 | ..... | 14.68 | 14.00 | 13 37 | 12.60 |
| 28249 | Grass & Grain | Baltimore | ..... | ..... | 2.16 | 2.00 | .75 | ..... | 10.08 | 10 00 | 11.38 | 11.00 |
| 28064 | Potato & Truck Special | Baltimore | 3.91 | 4.00 | 8.34 | 7.00 | 1.70 | ..... | 8 32 | 8.00 | 34.64 | 32.60 |
| 28343 | Tomato & Potato Compound | Baltimore | 1.60 | 1.50 | 5.80 | 5.00 | .85 | ..... | 6.65 | 6.00 | 20.52 | 18.20 |
| | **A. A. C. Co., (Slingluff), Balto., Md.** | | | | | | | | | | | |
| 28006 | Tobacco Plant Bed Fert | Baltimore | 9.68 | 10.00 | 3.26 | 2.50 | 1.65 | ..... | 4.18 | 4.00 | 47.66 | 47.30 |
| | **A. A. C. Co., (Susquehanna), Balto., Md.** | | | | | | | | | | | |
| 28241 | Ammoniated Phosphate | Baltimore | 2.01 | 2.00 | 2.22 | 2.00 | .90 | ..... | 8.28 | 8.00 | 20.56 | 19.60 |
| 2*384 | Crop Grower (Low Grade) | Baltimore | 1.08 | 1.00 | 1.10 | 1.00 | 1.05 | ..... | 7.60 | 7.00 | 14.96 | 13.40 |
| 28385 | Soluble Bone & Potash | Baltimore | ..... | ..... | 2.34 | 2.00 | .65 | ..... | 10.22 | 10.00 | 11.67 | 11.00 |
| 28448 | Superior Rock Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.12 | ..... | 14.66 | 14.00 | 13.41 | 12.62 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **A. A. C. Co., (Susquehanna), Balto., Md.** | | | | | | | | | | | |
| 28397 | X X V Phosphate | Baltimore | 1.16 | 1.00 | 1.24 | 1.00 | .62 | ..... | 9.01 | 8.00 | $16.94 | $14.60 |
| | **A. A. C. Co., (Tygert Allen), Phila., Pa.** | | | | | | | | | | | |
| 28379 | Guano 5% | Baltimore | 4 56 | 5.00 | 5.10 | 5.00 | 1.02 | ..... | 7.26 | 7.00 | 32.46 | 33.40 |
| 28033 | Guano 7% | Baltimore | 6.84 | 7.00 | 5.03 | 5.00 | 1.37 | ..... | 6.17 | 6.00 | 40.34 | 40.20 |
| 28441 | Star Soluble Phos. & Potash | Baltimore | ..... | ..... | 2.24 | 2.00 | .55 | ..... | 9.63 | 10.00 | 11.02 | 11.00 |
| | **A. A. C. Co., (Wheeler), Rutland, Vt.** | | | | | | | | | | | |
| 28403 | Bone & Potash | Baltimore | ..... | ..... | 3.30 | 3.00 | .95 | ..... | 12.15 | 12.00 | 14.43 | 13.80 |
| 28337 | General Crop Grower | Baltimore | 2.39 | 2.00 | 2.32 | 2.00 | 1.07 | ..... | 8.26 | 8.00 | 22.22 | 19.60 |
| 28442 | Potato Manure | Baltimore | 2.05 | 2.00 | 6.01 | 5.00 | .82 | ..... | 8.53 | 7.00 | 24.78 | 21.40 |
| 28344 | Royal Wheat Grower | Baltimore | 1.08 | 1.00 | 2.06 | 2.00 | 1.27 | ..... | 8.02 | 8.00 | 16.51 | 15.60 |
| 28164 | Superior Truck | Baltimore | 4.06 | 4.00 | 9.20 | 7.00 | 1.87 | ..... | 8.03 | 8.00 | 35.83 | 32.60 |
| 28080 | Tomato Fertilizer (Low Grade) | Baltimore | 1.23 | 1.00 | 1.76 | 1.00 | .67 | ..... | 7.73 | 7.00 | 16.23 | 13.40 |
| 28363 | Wheat & Clover Fertilizer | Baltimore | ..... | ..... | 2.12 | 2.00 | .65 | ..... | 10.45 | 10.00 | 11.66 | 11.00 |
| | **A. A. C. Co., (Williams & Clark), Balto, Md.** | | | | | | | | | | | |
| 28049 | Bull Head Potato Manure | Baltimore | 4.85 | 5.00 | 8.34 | 7.00 | 1.47 | ..... | 6.45 | 6.00 | 36.07 | 34.20 |
| | **A. A. C. Co., (Zell), Balto, Md.** | | | | | | | | | | | |
| 28062 | Ammoniated Super-Phosphate | Baltimore | 2.02 | 2.00 | 2.46 | 2.00 | .97 | ..... | 7.80 | 8.00 | 20.29 | 19.60 |
| 28258 | Dissolved Phosphate | Cumberland | ..... | ..... | ..... | ..... | .45 | ..... | 14.58 | 14.00 | 13.21 | 12.60 |
| 28380 | Economizer Phosphate | Baltimore | 1.11 | 1.00 | 2.03 | 2.00 | 1.10 | ..... | 8.18 | 8.00 | 16.73 | 15.60 |
| 28237 | Electric Phosphate | Baltimore | ..... | ..... | 2.14 | 2.00 | .75 | ..... | 10.13 | 10.00 | 11.41 | 11.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28398 | Hustler Phosphate | Baltimore | 1.11 | 1.00 | 3.22 | 3.00 | 1.37 | ..... | 9.23 | 9.00 | $19.29 | $17.80 |
| 28259 | Little Treasure (Low Grade) | Cumberland | 1.14 | 1.00 | 1.16 | 1.00 | .80 | ..... | 8.05 | 7.00 | 15.70 | 13.40 |
| 28160 | Special Compound | Baltimore | 2.73 | 3.00 | 4.32 | 4.00 | 1.52 | ..... | 8.78 | 8.00 | 26.39 | 25.60 |
| | **American Fertilizing Co., Balto., Md.** | | | | | | | | | | | |
| 28254 | Acid Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | 1.82 | ..... | 16.18 | 16.00 | 14.92 | 14.40 |
| 28140 | Bob White Manure Compound | Baltimore | 1.98 | 1.50 | 4.66 | 4.00 | 1.32 | ..... | 8.02 | 9.00 | 22.73 | 20.80 |
| 28035 | Champion Grain Grower | Baltimore | 1.13 | 1.00 | 4.14 | 4.00 | 1.90 | ..... | 8.70 | 8.00 | 19.86 | 17.60 |
| 28141 | Double Extra Bone & Potash | Baltimore | ..... | ..... | 4.50 | 5.00 | 2.00 | ..... | 12.20 | 12.00 | 15.88 | 15.80 |
| 28170 | Eagle Crop Grower | Baltimore | 2.02 | 2.00 | 2.40 | 2.00 | 2.30 | ..... | 8.23 | 8.00 | 21.28 | 19.60 |
| 28430 | Eagle Crop Grower | Baltimore | 2.03 | 2.00 | 2.10 | 2.00 | 1.07 | ..... | 8.36 | 8.00 | 20.68 | 19.60 |
| 28182 | Excelsior Guano | Baltimore | 2.05 | 2.00 | 5.14 | 5.00 | 1.50 | ..... | 8.02 | 8.00 | 23.56 | 22.60 |
| 28112 | Fish & Bone Compound | Baltimore | 2.05 | 2.00 | 3.66 | 3.00 | 1.20 | ..... | 8.05 | 8.00 | 22.00 | 20.60 |
| 28113 | Formula Wheat & Corn | Baltimore | ..... | ..... | 5.80 | 5.00 | 1.32 | ..... | 9.71 | 10.00 | 14.80 | 14.00 |
| 28491 | High Grade Acid Phosphate | ..... | ..... | ..... | ..... | ..... | 1.08 | ..... | 14.51 | 14.00 | 13.28 | 12.60 |
| 28263 | Potato & Vegetable Compound | Secretary | 4.01 | 4.00 | 11.26 | 10.00 | 1.62 | ..... | 6.36 | 6.00 | 35.58 | 33.20 |
| 28002 | Prize Truck Guano | Baltimore | 2.42 | 2.00 | 10.02 | 10.00 | 1.32 | 1.00 | 8.64 | 8.00 | 30.60 | 28.00 |
| 28421 | Special Compound (L. Grade) | Baltimore | .55 | .50 | 2.34 | 3.00 | 1.55 | ..... | 8.35 | 7.00 | 15.18 | 13.40 |
| 28165 | Special Potato Manure | Baltimore | 4.78 | 5.00 | 7.78 | 7.00 | 1.55 | ..... | 6.55 | 6.00 | 35.38 | 34.20 |
| 28328 | Spec. Super-Phos. (Low Grade) | Baltimore | ..... | ..... | 3.38 | 3.00 | 1.12 | ..... | 6.43 | 6.00 | 9.39 | 8.40 |
| 28058 | Stable Manure Substitute | Baltimore | 2.92 | 3.00 | 4.06 | 4.00 | .20 | ..... | 6.94 | 7.00 | 24.15 | 24.40 |
| | **Armour Fertilizing Works, Balto., Md.** | | | | | | | | | | | |
| 28322 | Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .32 | ..... | 15.68 | 14.00 | 14.17 | 12.60 |
| 28417 | Acid Phosphate | Centreville | ..... | ..... | ..... | ..... | 1.05 | ..... | 16.02 | 16.00 | 14.63 | 14 40 |
| 28393 | Acidulated Bone Black | Baltimore | ..... | ..... | ..... | ..... | .35 | ..... | 17.10 | 17.00 | 15.46 | 15.30 |
| 28297 | All Soluble | Fallston | 3.31 | 3.50 | a4.04 | 4.00 | 1.27 | ..... | 8.28 | 8.00 | 28.54 | 28.40 |
| 28418 | Basic Slag | Centerville | ..... | ..... | ..... | ..... | .60 | ..... | b17.43 | b17.00 | ..... | ..... |
| 28022 | Banner Brand | Baltimore | ..... | ..... | 3.12 | 8.00 | .52 | ..... | 10.24 | 10.00 | 17.44 | 17.00 |
| 28311 | Big Injun | Chestertown | 1.28 | 1.00 | 8.78 | 10.00 | .62 | ..... | 8.68 | 9.00 | 24.57 | 24.80 |
| 28081 | Bone Blood & Potash | Baltimore | 4.86 | 5.00 | 7.16 | 7.00 | 1.25 | ..... | 8.02 | 8.00 | 36.72 | 36.60 |
| 28183 | Bone Meal | Baltimore | 3.28 | 3.00 | ..... | ..... | *22.20 | *22.00 | ..... | ..... | 26 44 | 25.20 |
| 28389 | Claude Parks Hot Stuff | Baltimore | 1.09 | 1.00 | 4.08 | 4.00 | .52 | ..... | 8.88 | 9.00 | 19.31 | 18.80 |
| 28224 | Claude Parks Special Formula | Baltimore | 2.02 | 2.00 | 5.84 | 5.00 | 1.25 | ..... | 7.33 | 7.00 | 23.22 | 21.40 |
| 28225 | Complete Potato | Baltimore | 3.41 | 4.00 | 9.82 | 10.00 | .82 | ..... | 6.36 | 6.00 | 31.42 | 33.20 |
| 28264 | Crop Grower | McMasters | 1.01 | 1.00 | 2.38 | 2.00 | .97 | ..... | 8.41 | 8.00 | 16.90 | 15.60 |
| 28044 | Fruit & Root Crop Special | Baltimore | 1.89 | 2.00 | 5.03 | 5.00 | 1.10 | ..... | 8.14 | 8.00 | 22.80 | 22.60 |
| 28100 | Grain Grower | Baltimore | 2.06 | 2.00 | 2.34 | 2.00 | 1.12 | ..... | 8.36 | 8.00 | 21.06 | 19.60 |

a As Sulfate. b. Wagner's Method. *Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Armour Fertilizer Works, Balto., Md.** | | | | | | | | | | | |
| 28419 | Ground Tankage | Centerville | 7.87 | 8.00 | ..... | ..... | *10.40 | *13.70 | ..... | ..... | $29 85 | $32.22 |
| 28101 | High Grade Potato | Baltimore | 1.93 | 2.00 | 10.56 | 10 00 | 1.10 | ..... | 8.03 | 8.00 | 28.36 | 27.60 |
| 28420 | Kainit | Centerville | ..... | ..... | 13.72 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28153 | Manure Substitute | Baltimore | 3.86 | 4.00 | 4 12 | 4.00 | 1.00 | ..... | 6.43 | 6 00 | 27.68 | 27.20 |
| 28364 | Orchard Special | Baltimore | 3.91 | 4.00 | 10.20 | 10.00 | 2.25 | ..... | 6 68 | 8 00 | 34.76 | 35.60 |
| 28171 | Phosphate & Potash | Baltimore | ..... | ..... | 4.76 | 5.00 | .57 | ..... | 12.31 | 12.00 | 15 95 | 15.80 |
| 28338 | Phosphate & Potash No. 1 | Baltimore | ..... | ..... | 2.12 | 2 00 | .67 | ..... | 10.61 | 10.00 | 11.80 | 11.00 |
| 28390 | Potato & Grain Special | Baltimore | 1.28 | 1.00 | 7.02 | 7.00 | .50 | .... | 7.75 | 9.00 | 21.64 | 21.80 |
| 28093 | Raw Bone Meal | Baltimore | 4.51 | 4.50 | ..... | ..... | *20.25 | *21.50 | ..... | ..... | 30.19 | 30.90 |
| 28102 | Royal Ammoniated | Baltimore | 1.04 | 1.00 | 4 08 | 4.00 | .72 | ..... | 8.31 | 8.00 | 18.50 | 17.60 |
| 28312 | Special Mixture | Chestertown | 3.67 | 4.00 | 9.60 | 10 00 | 1.30 | ..... | 8.13 | 8.00 | 34.58 | 35.60 |
| 28226 | Special Mixture | Baltimore | 3.12 | 3.50 | 9.56 | 10.00 | .75 | ..... | 8 50 | 8 00 | 32.54 | 33.60 |
| 28227 | Special Mixture | Baltimore | ..... | ..... | 6.08 | 6.00 | .22 | ..... | 7.18 | 7.00 | 12.58 | 12.30 |
| 28250 | Special Potato Grower | Baltimore | 3.77 | 4.00 | 6 42 | 7.00 | .50 | ..... | 8.10 | 8.00 | 31.42 | 32 60 |
| 28161 | Special Trucker | Baltimore | 3 74 | 4.00 | 4.02 | 4.00 | 1.45 | ..... | 8.02 | 8.00 | 29.18 | 29.60 |
| 28017 | Star Phosphate | Baltimore | ..... | ..... | ..... | ..... | .82 | ..... | 13.68 | 14.00 | 12 47 | 12 60 |
| 28072 | Sure Crop | Baltimore | ..... | ..... | 4.80 | 5.00 | .25 | ..... | 8 25 | 8.00 | 12 28 | 12.20 |
| 28401 | Superior | Baltimore | 1.02 | 1.00 | 7.72 | 7.00 | .52 | ..... | 8.33 | 8 00 | 22.01 | 20 60 |
| 28329 | Tobacco Special | Baltimore | 3.33 | 3.00 | a3.26 | 3.00 | .42 | ..... | 8.21 | 8 00 | 27.25 | 25 20 |
| 28094 | Tomato Grower | Baltimore | 1.96 | 2.00 | 2.14 | 2.00 | .97 | ..... | 8.18 | 8.00 | 20.19 | 19 60 |
| 28095 | Trucker | Baltimore | 4.68 | 5.00 | 5.32 | 5.00 | .60 | ..... | 7.40 | 7.00 | 33.16 | 33 40 |
| 28018 | Trucker 7% | Baltimore | 6.54 | 7.00 | 5.22 | 5.00 | 1.22 | ..... | 6.02 | 6.00 | 39.09 | 40.20 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28073 | Truck & Berry Special | Baltimore | 3 24 | 3.00 | 10 20 | 10.00 | .80 | ..... | 8.60 | 8.00 | 33.80 | 31 60 |
| 28399 | Valley Brand Tobacco | Baltimore | 2.02 | 2.00 | 5.12 | 5.00 | .60 | ..... | 7.47 | 8.00 | 22.40 | 22.60 |
| 28262 | Wheat & Clover | Chestertown | ..... | ..... | 4.72 | 5.00 | .40 | ..... | 10.40 | 10.00 | 14.16 | 14.00 |
| 28166 | Wheat & Grass Special | Baltimore | 1.26 | 1.00 | 4.86 | 5.00 | .72 | ..... | 7.43 | 7.00 | 19.11 | 17.40 |
| | **Atlantic Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28172 | Anne Arundel Garden & Truck | Baltimore | 1.93 | 3.00 | 3.82 | 4.00 | .62 | ..... | 9.06 | 8.00 | 22.66 | 25.60 |
| 28292 | Arrow Brand | Woodbine | .73 | 1.00 | 4.14 | 4.00 | .70 | ..... | 7.93 | 8.00 | 16.86 | 17.60 |
| 28167 | Blood, Bone Fish & Potash | Baltimore | 2.61 | 3.00 | 5.38 | 6.00 | .57 | ..... | 6.12 | 6.00 | 23.39 | 25.20 |
| 28154 | Dissolved Phoshate | Baltimore | ..... | ..... | ..... | ..... | .30 | ..... | 14.04 | 14.00 | 12.70 | 12.60 |
| 28425 | Early Truck | Eden | 3.74 | 5.00 | 5.08 | 5 00 | .50 | ..... | 7 95 | 7.00 | 29.78 | 33.40 |
| 28096 | Potato & Veg. Compound 7% | Baltimore | 6.54 | 7.00 | 4.56 | 5.00 | 1.05 | ..... | 6.05 | 6.00 | 38.40 | 40.20 |
| 28293 | Raw Bone Meal | Woodbine | 4.66 | 4.50 | ..... | ..... | *22.19 | *23.00 | ..... | ..... | 31.95 | 31.80 |
| 28169 | Royal Potato & Toma to Manure | Baltimore | 1.91 | 2.00 | 4.03 | 5.00 | .65 | ..... | 7.97 | 7.00 | 21.49 | 21.40 |
| 28298 | Special Formula | Conowingo | 1.09 | 1.00 | 4.02 | 4.00 | .75 | ..... | 9.50 | 10.00 | 20.08 | 20.00 |
| 28294 | XX Special Compound | Woodbine | 1.71 | 2.00 | 10.10 | 10.00 | 1.50 | ..... | 7.65 | 8.00 | 26.72 | 27.60 |
| | **Baltimore Fertilizer Co., Balto, Md.** | | | | | | | | | | | |
| 28082 | Honest Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.37 | ..... | 14.51 | 14.00 | 13.33 | 12.60 |
| 28255 | Honest Ammoniated Bone | Baltimore | 2.03 | 2.00 | 2.12 | 2.00 | .65 | ..... | 8.35 | 8.00 | 20.52 | 19.60 |
| 28330 | Honest A. K. Bone (Low Grade) | Baltimore | ..... | ..... | 3.10 | 3.00 | .50 | ..... | 9.30 | 8.00 | 11 57 | 10.20 |
| 28083 | Honest Bone & Potash | Baltimore | ..... | ..... | 2.14 | 2.00 | .97 | ..... | 11.33 | 10 00 | 12.53 | 11 00 |
| 28365 | Honest Bone Phos. (Low Grade) | Baltimore | .48 | .25 | 1.80 | 1.00 | .70 | ..... | 7.58 | 7.00 | 13.10 | 10.40 |
| 28184 | Honest 1-7-4 | Baltimore | 1.13 | 1.00 | 4.04 | 4.00 | .87 | 1 00 | 7.98 | 7.00 | 18.49 | 16.80 |
| 28059 | Honest Crop Grower | Baltimore | 1 09 | 1.00 | 2 26 | 1.00 | .87 | ..... | 8 80 | 8.00 | 17.53 | 14.60 |
| 28125 | Honest Guano 7% | Baltimore | 7.01 | 7.00 | 5.05 | 5.00 | .42 | ..... | 6.78 | 6 00 | 41 40 | 40.20 |
| 28331 | Honest Harvest | Baltimore | 1.66 | 1.25 | 2.96 | 2.00 | .90 | ..... | 8.13 | 8.00 | 19.72 | 16.60 |
| 28173 | Honest Potato Grower | Baltimore | 2.04 | 2.00 | 10.24 | 8.00 | .52 | 1.00 | 7.91 | 6.00 | 28 10 | 23.60 |
| 28339 | Honest Revenue | Baltimore | 2.22 | 3.00 | 7.76 | 7.00 | .70 | ..... | 6.58 | 6 00 | 24.82 | 26.20 |
| 28201 | Honest Success | Baltimore | 1.09 | 1.00 | 3.92 | 4.00 | .57 | 1.00 | 8.08 | 7.00 | 18.21 | 16.80 |
| 28060 | Honest Trucker | Baltimore | 4.59 | 5.00 | 5.80 | 5.00 | .70 | ..... | 6.10 | 6.00 | 31.76 | 32.20 |
| 28486 | Old Honesty (Low Grade | Baltimore | .60 | .50 | 2.94 | 2.00 | 1.05 | 1.00 | 7.56 | 8 00 | 14 83 | 14.00 |
| | **Baltimore Pulverizing Co., Balto. Md.** | | | | | | | | | | | |
| 28180 | Farmers Favorite Fertilizer | Baltimore | 1 21 | 1.00 | 4.76 | 3.00 | .57 | ..... | 5.33 | 5.00 | 16.47 | 13.00 |
| 28323 | Royal Tomato Compound | Baltimore | 1 54 | 2.00 | 2.76 | 2.00 | .57 | ..... | 8 88 | 8.00 | 19.81 | 19.60 |
| 28038 | Special Potato Guano | Baltimore | 6.71 | 7.00 | 5.98 | 5.00 | 1.42 | ..... | 6.55 | 6.00 | 41.25 | 40 20 |
| 28498 | Spec. Spring & Fall Mix. (L. Gr.) | Baltimore | ..... | ..... | 1.90 | 2 00 | 1.25 | 1.00 | 8.34 | 8 00 | 9.66 | 9.40 |
| 28037 | Special Strawberry Compound | Baltimore | 3 36 | 4.00 | 3.48 | 3.00 | 1.27 | ..... | 5 53 | 5.00 | 24.07 | 25.00 |

a As Sulfate. *Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Baltimore Pulverizing Co., Balto., Md.** | | | | | | | | | | | |
| 28181 | Truckers Choice | Baltimore | 3.14 | 3.00 | 2.04 | 1.50 | .82 | ..... | 7.47 | 8.00 | $23.89 | $23.10 |
| | **Baugh & Sons Co., Balto., Md.** | | | | | | | | | | | |
| 28084 | Acid Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | .72 | ..... | 16.43 | 16 00 | 14.93 | 14.40 |
| 28126 | Amm'd. Sol. Alk. (L. Grade) | Baltimore | .85 | .50 | 2.04 | 2.00 | .80 | ..... | 8.17 | 8.00 | 15 56 | 13.60 |
| 28196 | Animal Base & Pot. Compound | Baltimore | 2.06 | 2.00 | 2 14 | 2.00 | 1.51 | ..... | 8.04 | 8.00 | 20 63 | 19.60 |
| 28065 | Complete Animal Base Fert | Baltimore | 2.10 | 2.00 | 5.12 | 5.00 | 1.47 | ..... | 8.33 | 8.00 | 24.11 | 22 60 |
| 28175 | Commercial Super-Phosphate | Baltimore | 2.25 | 2.00 | 10.48 | 10.00 | 1.85 | ..... | 7.71 | 8.00 | 29.47 | 27.60 |
| 28279 | Double Eagle $25 Phosphate | Carrollton | 2.08 | 2.00 | 1.40 | 1.00 | 1.35 | ..... | 8.56 | 8.50 | 20.53 | 19.20 |
| 28242 | Energetic Super-Phosphate | Baltimore | 1.11 | 1.00 | 8.48 | 8 00 | 1.25 | ..... | 9.05 | 8.00 | 24 28 | 21 60 |
| 28145 | Excelsior Guano | Baltimore | 1.01 | 1.00 | 4.12 | 4.00 | 1.05 | ..... | 8.10 | 8.00 | 18.30 | 17.60 |
| 28304 | Export Bone with Potash | Providence | 1.95 | 2 00 | 2.14 | 2 00 | *11.75 | *11.00 | ..... | ..... | 16.99 | 16.60 |
| 28299 | Fine Ground Bone | Aberdeen | 3 74 | 3.00 | ..... | ..... | *21.84 | *16.49 | ..... | ..... | 28.06 | 21.89 |
| 28014 | Fish, Bone & Potash | Baltimore | 3.84 | 4.00 | 4.42 | 4.00 | 1.30 | ..... | 8.40 | 8.00 | 30.38 | 29.60 |
| 28188 | Fish Mixture | Baltimore | 2.13 | 2.00 | 2.62 | 2 00 | 1.00 | ..... | 7.89 | 8.00 | 21 01 | 19.60 |
| 28066 | Fruit & Berry Guano | Baltimore | 2.38 | 3.00 | 9.44 | 10.00 | 1.12 | ..... | 8 43 | 8.00 | 33.53 | 31.60 |
| 28300 | Gailey's Special Mixture | Cardiff | 1.13 | 1.00 | 5.32 | 5.00 | 1.00 | ..... | 10 53 | 10.00 | 22.88 | 21.00 |
| 28146 | General Crop Grower | Baltimore | 1.55 | 1.00 | 2.04 | 1.00 | 1.32 | ..... | 8.01 | 8.00 | 18.38 | 14.60 |
| 28063 | Grand Rapid H. G. Guano | Baltimore | 3.26 | 3 00 | 3.24 | 3.00 | 1.22 | ..... | 8.33 | 8.00 | 26.77 | 24.60 |
| 28266 | Guano 3-6-6 | Secretary | 3.04 | 3.00 | 6.76 | 6.00 | 1.20 | ..... | 6.85 | 6.00 | 27.62 | 25.20 |
| 28027 | High Grade Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .52 | ..... | 16.38 | 16.00 | 14.84 | 14.40 |
| 28449 | High Grade Acid Phosphate | ..... | ..... | ..... | ..... | ..... | 1.95 | ..... | 15.71 | 14.00 | 14.53 | 12.60 |
| 28208 | H. G. Cotton & Truck Guano | Baltimore | 2.13 | 2.00 | 2.36 | 2.00 | 1.52 | ..... | 10.56 | 10.00 | 24.16 | 22.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28228 | High Grade Potato Grower | Baltimore | 3.82 | 4.00 | 10.96 | 10.00 | .92 | ..... | 7.93 | 8.00 | $36.13 | $35.60 |
| 28332 | High Grade Tobacco Guano | Baltimore | 3.02 | 3.00 | 3.38 | 3.00 | 1.65 | ..... | 8.88 | 8.00 | 26.78 | 24.60 |
| 28147 | New Process 10% Guauo | Baltimore | 3.51 | 10.00 | 3.48 | 2.50 | .90 | ..... | 6.40 | 5.00 | 45.56 | 48.50 |
| 28333 | Peninsula Grain Producer | Baltimore | 1.16 | 1.00 | 3.46 | 3.00 | 1.27 | ..... | 9.03 | 9.00 | 19.45 | 17.80 |
| 28019 | Peruvian Guano Substitute | Baltimore | 5.07 | 5.00 | 7.60 | 7.00 | 1.12 | ..... | 6.39 | 6.00 | 36.00 | 34.20 |
| 28005 | Peruvian Guano 10% | Baltimore | 9.51 | 10.00 | ..... | ..... | ..... | ..... | ..... | ..... | 28.53 | 30.00 |
| 28309 | Phosphate & Potash 10 & 4 | Smithsburg | ..... | ..... | 4.74 | 4.00 | 1.70 | ..... | 10.02 | 10.00 | 14.10 | 13.00 |
| 28347 | Phosphate & Potash 10 & 8 | Baltimore | ..... | ..... | 8.88 | 8.00 | .85 | ..... | 10.08 | 10.00 | 18.12 | 17.00 |
| 28039 | Phosphate & Potash 12 & 5 | Baltimore | ..... | ..... | 5.26 | 5.00 | 1.45 | ..... | 12.60 | 12.00 | 16.89 | 15.80 |
| 28074 | Phosphate & Potash 12 & 3 | Baltimore | ..... | ..... | 3.84 | 3.00 | 1.45 | ..... | 13.02 | 12.00 | 15 85 | 13.80 |
| 28020 | Potato Guano 7% | Baltimore | 6.95 | 7.00 | 5.92 | 5.00 | 1.35 | ..... | 6.70 | 6.00 | 42.30 | 40.20 |
| 28280 | Potato Manure | Middleburg | 2.06 | 2.00 | 10.38 | 10.00 | 1.32 | ..... | 5.41 | 5.00 | 25.64 | 24.00 |
| 28115 | Potato & Truck Special | Baltimore | 3.62 | 3.50 | 7.01 | 7.00 | 1.20 | ..... | 7.42 | 7.00 | 30.87 | 29.40 |
| 28366 | Pure Bone & Muriate Pot. Mix | Baltimore | 3.09 | 3.00 | 3.92 | 5.00 | *16.00 | *15.00 | ..... | ..... | 25.88 | 26.00 |
| 28085 | Pure Dissolved Animal Bones | Baltimore | 2.75 | 2.50 | ..... | ..... | 2.67 | ..... | 14.18 | 13.00 | 29.09 | 25.60 |
| 28386 | Pure Steamed Bone | Baltimore | 2.35 | 2.00 | ..... | ..... | *26.56 | *25.19 | ..... | ..... | 25.34 | 23.11 |
| 28407 | Quarter Mixture | Lydia | 1.55 | 1.75 | 5.02 | 3.00 | 3.87 | ..... | 7.73 | 12.00 | 22.05 | 24.40 |
| 28494 | Raw Bone Meal | ..... | 4 42 | 4.50 | ..... | ..... | *20.53 | *21.50 | ..... | ..... | 30.00 | 30.90 |
| 28075 | Soluble Alkaline Super-Phos | Baltimore | ..... | ..... | 2.58 | 2.00 | .95 | ..... | 10.52 | 10.00 | 12.24 | 11.00 |
| 38061 | Spe'l Alkaline Super-Phos. 8 & 5 | Baltimore | ..... | ..... | 6.02 | 5.00 | 1.40 | ..... | 9.65 | 8.00 | 14.99 | 12.20 |
| 28463 | Special Mixture | Fairland (L.D.L.) | 2.80 | 3.00 | 7.86 | 10.00 | 1.75 | ..... | 10.75 | 8.00 | 32.66 | 31.60 |
| 28477 | Special Mixture | Van Bibber(J.T.N.) | 2.64 | 2.50 | 3.44 | 5.00 | 9.47 | ..... | 8.66 | 12.00 | 28.18 | 29 40 |
| 28313 | Special Mixture | Betterton | 1.02 | 1.00 | 3.58 | 3.00 | 1.25 | ..... | 9.75 | 9.00 | 19.36 | 17.80 |
| 28127 | Special Potato Manure | Baltimore | 2.06 | 2.00 | 10.44 | 10.00 | 1.45 | ..... | 5.80 | 5 00 | 26.22 | 24.00 |
| 28251 | Tomato Compound | Baltimore | 2 12 | 2.00 | 2.24 | 2.00 | 1.50 | ..... | 8.05 | 8.00 | 20.98 | 19.60 |
| 28176 | Wheat Fertilizer | Baltimore | 3.19 | 2.00 | 2.86 | 2.00 | 1.07 | ..... | 7.95 | 8.00 | 25.59 | 19 60 |
| 28197 | Wrapper Leaf Spec. Manure | Baltimore | 3.96 | 4.00 | 7.70 | 5.00 | 1.02 | ..... | 4.69 | 3.50 | 29.58 | 25.20 |
| | **R. P. Beckley, Half Way, Md.** | | | | | | | | | | | |
| 28408 | Wheat & Clover | Half Way | .92 | 1.00 | 3.64 | 4.00 | .60 | ..... | 13.08 | 12.00 | 23.26 | 22.40 |
| | **Beck-Walker Co., Chestertown, Md.** | | | | | | | | | | | |
| 28315 | Corn Super-Phosphate | Chestertown | 1.08 | 1.00 | 4.28 | 4.00 | 1.35 | ..... | 9.38 | 8.00 | 20.40 | 17.60 |
| 28316 | Good Drilling 10 & 5 | Chestertown | ..... | ..... | 5.44 | 5.00 | 1.32 | ..... | 9.55 | 10.00 | 14.30 | 14.00 |
| 28426 | Tomato Super-Phosphate | Chestertown | 1.91 | 2.00 | 5 62 | 5.00 | 1 45 | ..... | 7.13 | 7.00 | 22 40 | 21.40 |
| 28317 | Try Me Phos. (Low Grade) | Chestertown | .60 | .50 | 4 12 | 3.00 | 1.32 | ..... | 9.33 | 9.00 | 18.25 | 15 80 |
| | **Berg Co. Philadelphia, Pa.** | | | | | | | | | | | |
| 28433 | H. G. Potato Manure | Annapoiis | 2.85 | 3.54 | 7.72 | 10.00 | 3.30 | ..... | 8.50 | 8.00 | 30.64 | 33.76 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Berg Co. Philadelphia, Pa.** | | | | | | | | | | | |
| 28434 | Special Bone Manure | Annapolis | 1.45 | 2.43 | 3.26 | 3.00 | 2.50 | ..... | 8.58 | 7.00 | $20.36 | $21.12 |
| 28301 | Standard Bone Manure | Fallston | 2.71 | 3.00 | 6.04 | 6.00 | 2.00 | ..... | 9 45 | 8.00 | 29.02 | 27.60 |
| 28423 | Vigor Volo | Aiken | 2.03 | 2.45 | 6.80 | 5 00 | 3.02 | ..... | 8.93 | 7.00 | 26.85 | 23.20 |
| | **Wm. H. Bixler, Hagerstown, Md.** | | | | | | | | | | | |
| 28310 | Bone Phosphate | Hagerstown | 2.34 | 1.50 | 2.52 | 2.50 | 4.10 | ..... | 8.40 | 8.00 | 23.60 | 18.10 |
| | **Bryant Fertilizer Co., Alexandria, Va.** | | | | | | | | | | | |
| 28372 | Acid Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | 1 30 | ..... | 16.40 | 16.00 | 15.02 | 14.40 |
| 28373 | H. G. Potash Mixture | Baltimore | ..... | ..... | 4 30 | 4.00 | 1.07 | ..... | 10.23 | 10.00 | 13.72 | 13.00 |
| 28272 | Pure Raw Bone | Seneca | 4.51 | 4.50 | ..... | ..... | *20.65 | *20.60 | ..... | ..... | 30.43 | 30.36 |
| | **Herbert Bryant's Son, Alexandria, Va.** | | | | | | | | | | | |
| 28488 | Genuine Fish, Bone & Potash | Derwood | 1.84 | 2.00 | 3.08 | 2.00 | 1.75 | ..... | 7.91 | 8.00 | 20.63 | 19.60 |
| 28428 | New Method | Laurel | 1.26 | 1.00 | 4.38 | 4.00 | 1.40 | ..... | 8.03 | 8.00 | 19.62 | 17.60 |
| 28261 | Special H. G. Bone & Potash | Derwood | ..... | ..... | 5.48 | 5.00 | .45 | ..... | 9 73 | 10.00 | 14.33 | 14.00 |
| | **C. C. Co., Thomas Fertilizer Works, Hagerstown, Md.** | | | | | | | | | | | |
| 28409 | Atlas Keystone Compound | Haerstown | 1.01 | 1.00 | 4.16 | 4.00 | .52 | ..... | 7.93 | 8.00 | 17.93 | 17.60 |
| 28410 | Dissolved Phosphate | Haerstown | ..... | ..... | ..... | ..... | .52 | ..... | 16.21 | 16.00 | 14.69 | 14.40 |
| 28411 | Empire | Paramount | 2.04 | 2.00 | 8.66 | 10.00 | .80 | ..... | 7.20 | 8.00 | 25.78 | 27.60 |
| 28412 | Excelsior Phoenix | Hagerstown | 2.01 | 2.00 | 4.22 | 4.00 | .67 | ..... | 8 81 | 8.00 | 23.10 | 21.60 |
| 28413 | Orchard Special | Paramount | .85 | 1.00 | 14.38 | 15.00 | .55 | ..... | 11.02 | 10.00 | 31.22 | 31.00 |
| 28414 | Pioneer Majestic | Hagerstown | ..... | ..... | 4.82 | 5.00 | .47 | ..... | 8.51 | 8.00 | 12.57 | 12.20 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28415 | Superior Planters Mixture | Hagerstown | 1.08 | 1.00 | 6 10 | 6.00 | .60 | ..... | 8.20 | 8.00 | $20 50 | $19.60 |
| | **Chesapeake Chemical Co., Balto., Md.** | | | | | | | | | | | |
| 28133 | Dissolved Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | .90 | ..... | 15.93 | 16.00 | 14.52 | 14.40 |
| 28050 | Golden Harvest | Baltimore | 2.92 | 2.00 | 8.60 | 10.00 | .80 | ..... | 7.65 | 8.00 | 29.78 | 27.60 |
| 28468 | Golden Harvest | Elkridge (W.R.C.) | 2.22 | 2.00 | 11.44 | 10.00 | 1.05 | ..... | 8.02 | 8.00 | 30.36 | 27 60 |
| 28435 | Imperial Guano (Low Grade) | Baltimore | .61 | .50 | 2.54 | 2.00 | 1.30 | ..... | 7 83 | 8.00 | 14.90 | 13.60 |
| 28400 | Improved Guano | Baltimore | 2.08 | 2.00 | 5.24 | 5 00 | 1.07 | ..... | 8 36 | 8.00 | 24.02 | 22.60 |
| 28436 | National Crop Grower | Baltimore | 2.15 | 2.00 | 3 01 | 2.00 | 1.25 | ..... | 8.02 | 8.00 | 21.73 | 19.60 |
| 28134 | Potato Compound | Baltimore | 4.90 | 5.00 | 5.34 | 5.00 | .57 | ..... | 7.38 | 6 00 | 34.03 | 32.20 |
| 28135 | Red Seal Guano | Baltimore | 6.74 | 7.00 | 5.90 | 5.00 | .57 | ..... | 6.43 | 6.00 | 40 81 | 40 20 |
| 28086 | Warranted Raw Bone | Baltimore | 4.53 | 4.50 | ..... | ..... | *24.04 | *22.00 | ..... | ..... | 32.54 | 31.20 |
| | **Coe-Mortimer Co., New York, N. Y.** | | | | | | | | | | | |
| 28200 | Excelsior Potato Fertilizer | Baltimore | 3.29 | 3.00 | 6 86 | 8.00 | 1.45 | ..... | 7.62 | 7.00 | 29.74 | 28.40 |
| 28198 | Extra Spec. Potato & Fruit Gro. | Baltimore | 2.01 | 2.00 | 10 48 | 10.00 | 1.27 | ..... | 8.01 | 8.00 | 28.64 | 27.60 |
| 28209 | Potato Manure 7% | Snow Hill | 7.10 | 7.00 | 5.26 | 5.00 | 1.10 | ..... | 6.63 | 6.00 | 42.06 | 40.20 |
| | **Columbia Guano Co., Balto, Md.** | | | | | | | | | | | |
| 28381 | Acid Phosphate 14% | Baltimore | ..... | ..... | ..... | ..... | 1.25 | .50 | 14.58 | 14.00 | 13.37 | 12.70 |
| 28382 | Fish Phosphate & Potash | Baltimore | 2.03 | 2 00 | 3 04 | 3 00 | 1.47 | ..... | 8.94 | 8.00 | 22.48 | 20.60 |
| 28367 | High Grade Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.00 | ..... | 16.28 | 16.00 | 14.85 | 14.40 |
| 28003 | Potato Grower 7% | Baltimore | 6.71 | 7.00 | 5.36 | 5.00 | 1.72 | .50 | 6.58 | 6.00 | 40.79 | 40.40 |
| 28348 | Pure Raw Bone Meal | Baltimore | 4.69 | 4.50 | ..... | ..... | *23.40 | *21 50 | ..... | ..... | 32.80 | 30.90 |
| | **E. A. Corey, Worton, Md.** | | | | | | | | | | | |
| 28205 | High Grade Potato No. 1. | Baltimore | 4.37 | 4.50 | 9.80 | 10.00 | .85 | ..... | 7.75 | 8.00 | 36.92 | 37.60 |
| | **Henry Cope & Co., Lincoln Univers ity, Pa.** | | | | | | | | | | | |
| 28270 | Queen Elk Valley Fertilizer | Rising Sun | 1.93 | 2.00 | 8.14 | 8.00 | .85 | 2.00 | 6.78 | 5.00 | 24.34 | 22.80 |
| | **Josiah Cope & Co., Balto., Md.** | | | | | | | | | | | |
| 28443 | Acidulated Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.05 | ..... | 14.53 | 14.00 | 13.29 | 12.60 |
| 28271 | Ammoniated Phosphate | Rising Sun | 1.04 | 1.00 | 2.94 | 3.00 | 1.35 | ..... | 8 25 | 8.00 | 17.54 | 16.60 |
| 28387 | Excelsior | Baltimore | 1.88 | 2 00 | 12.96 | 12 00 | .95 | ..... | 6.53 | 6 00 | 28.70 | 72.20 |
| 28349 | H. G. Phosphate & Potash | Baltimore | ..... | ..... | 5.80 | 5.00 | .85 | ..... | 11.02 | 10.00 | 15.89 | 14.00 |
| 28267 | Puro Bono Phosphate | Quantico | 2.35 | 2.25 | 4.64 | 4.00 | 3 42 | ..... | 9.91 | 9.00 | 27.30 | 23.80 |
| 28358 | Try Me Fertilizer | Baltimore | 2 64 | 2.00 | 4.16 | 4.00 | 1.82 | ..... | 7.87 | 8 00 | 24.89 | 21.60 |
| 28350 | Universal Mixture | Baltimore | ..... | ..... | 8 62 | 10.00 | .45 | ..... | 10.50 | 8.00 | 18.16 | 17.20 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **L. E. P. Dennis & Son., Crisfield, Md.** | | | | | | | | | | | |
| 28046 | Fish & Potash Mixture No. 1... | Crisfield ..... | 3.02 | 3.00 | 5.06 | 5.00 | 1.20 | ..... | 7.30 | 7.00 | $26.38 | $25.40 |
| 28047 | Fish & Potash Mixture No. 2... | Crisfield ..... | 2.08 | 2.00 | 4.60 | 3.00 | .97 | ..... | 6.85 | 7.00 | 21.53 | 19.40 |
| 28268 | Klondike Fish & Potash Mix.... | Aireys ..... | 1.35 | 1.00 | 4.36 | 3.00 | .87 | ..... | 8.34 | 8.00 | 20.12 | 16.60 |
| 28210 | Potato Grower 7% ..... | Stockton ..... | 7.39 | 7.00 | 5.56 | 5.00 | .75 | ..... | 5.55 | 6.00 | 42.08 | 40.20 |
| 28048 | Special Round Potato..... | Crisfield ..... | 5.07 | 5.00 | 6.48 | 6.00 | .95 | ..... | 6.10 | 6.00 | 34.46 | 33.20 |
| 28211 | Sweet Potato Compound.. ..... | Crisfield ..... | 2.54 | 2.50 | 8 24 | 8.00 | 1.12 | ..... | 6.56 | 6.00 | 26.72 | 25.20 |
| 28212 | Truck & Tomato..... | Pittsville..... | 2.34 | 3.00 | 3 40 | 3.00 | 1.02 | ..... | 7.51 | 7.00 | 22.18 | 23.40 |
| | **Edelen Bros., Balto., Md.** | | | | | | | | | | | |
| 28354 | High Grade Tobacco Fertilizer.. | Baltimore..... | 4.15 | 4.00 | 6.08 | 4.00 | .47 | ..... | 6.61 | 6.00 | 30.80 | 27.20 |
| 28359 | Special Tobacco Guano ..... | Baltimore..... | 3.12 | 3.00 | 3.22 | 3.00 | 1.07 | ..... | 9.11 | 8.00 | 27.06 | 24.60 |
| 28229 | Spec. Wheat & Grain Mixture.. | Baltimore..... | .92 | 1.00 | 2.18 | 2.00 | 1.00 | ..... | 10.98 | 9.00 | 19.44 | 16.80 |
| | **T. W. Eliason, Chestertown, Md.** | | | | | | | | | | | |
| 28190 | Our Spec. Dis. Alk. Phos & Pot. | Baltimore..... | ..... | ..... | 3.06 | 3.00 | 1.85 | ..... | 12.05 | 12.00 | 14.23 | 13.80 |
| | **John A. Englar, Linwood, Md.** | | | | | | | | | | | |
| 28281 | Ammoniated Bone No. 2..... | Linwood ..... | 1.09 | 1.00 | 2.54 | 2.40 | 1.80 | ..... | 9 48 | 9.80 | 19.00 | 18.16 |
| | **Eureka Chemical Co., Balto., Md.** | | | | | | | | | | | |
| 28302 | Corn & Potato..... | Perryman..... | .89 | 1 00 | 3.54 | 3.00 | .70 | ..... | 9.38 | 9.00 | 18.64 | 17.80 |
| 28374 | Dissolved Bone..... | Baltimore..... | 1.88 | 2.00 | ..... | ..... | 1.50 | .50 | 11.05 | 11 00 | 21.38 | 21.40 |
| 28375 | Ground Bone..... | Baltimore..... | 2.82 | 3.00 | ..... | ..... | *12.15 | *13.71 | ..... | ..... | 18.57 | 20.23 |
| 28303 | Potato & Vegetable ..... .. | Perryman..... | 2.01 | 2.00 | 4.28 | 4.00 | .55 | ..... | 8.58 | 8.00 | 22.84 | 21.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **W. S. Farmer & Co., Balto., Md.** | | | | | | | | | | | |
| 28100 | Anne Arundel Trucker | Baltimore | 3.05 | 4.00 | 8.18 | 7.00 | .95 | ..... | 9.03 | 9.00 | $31.60 | $33.80 |
| 28400 | B. & P. Phosphate | Baltimore | ..... | ..... | 1.88 | 2.00 | .65 | ..... | 9.39 | 10.00 | 10.46 | 11.00 |
| 28099 | Clyde Brand | Baltimore | 1.21 | 1.00 | 2.36 | 2.00 | 1.29 | ..... | 8.02 | 8.00 | 17.34 | 15.60 |
| 28294 | Diamond Back Brand | Baltimore | 1.64 | 1.25 | 4.80 | 5.00 | .97 | ..... | 8.83 | 8.00 | 22.35 | 19.60 |
| 28107 | Dissolved S. C. Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.10 | ..... | 14.20 | 14.00 | 13.00 | 12 60 |
| 28204 | Empire Alkaline Phosphate | Baltimore | ..... | ..... | 5.44 | 5.00 | .85 | ..... | 10.78 | 10.00 | 15.31 | 14 00 |
| 28200 | Fish Mixture | Baltimore | 1.91 | 2.00 | 2.64 | 2.00 | .95 | ..... | 8.85 | 8.00 | 21.28 | 19 60 |
| 28101 | Harvest Queen | Baltimore | 1.31 | 1.25 | 3.03 | 3.00 | 1.55 | ..... | 8.85 | 9.00 | 19.51 | 18 80 |
| 28070 | Potato Guano 7% | Baltimore | 7.01 | 7.00 | 5.56 | 5.00 | 1.62 | ..... | 5.83 | 6.00 | 41.25 | 40.20 |
| 28155 | Potato & Tobacco Phosphate | Baltimore | 2.08 | 2.00 | 10.48 | 10.00 | .75 | ..... | 8.20 | 8.00 | 28.94 | 27 60 |
| 28355 | Standard Phosphate | Baltimore | 2.87 | 2.63 | 2.88 | 2.50 | .75 | ..... | 10.13 | 10.00 | 26.82 | 25 02 |
| 28052 | Truckers Compound | Baltimore | 2.75 | 3.00 | 3.72 | 4.00 | 1.20 | ..... | 8.92 | 8.00 | 25.90 | 25.60 |
| | **Farmers' Fertilizer Co., Union Brid** | **ge, Md.** | | | | | | | | | | |
| 28282 | Potash Phosphate | Union Bridge | ..... | ..... | 4 80 | 5.00 | .60 | ..... | 8.08 | 8.00 | 12 19 | 12.20 |
| | **Farmers' Fertilizer & Feed Co., We** | **stminster, Md.** | | | | | | | | | | |
| 28482 | Bone Phosphate No. 1 | Westminster | 2.42 | 2 50 | 4.12 | 3.00 | 2.05 | ..... | 9.30 | 9.00 | 25.78 | 23.80 |
| 28483 | Bone Phosphate No. 2 | Westminster | 1.72 | 2.00 | 3.26 | 3 00 | .27 | 1.00 | 11.14 | 9 00 | 23.62 | 22.20 |
| 28484 | Bone Phosphate No. 3 | Westminster | 1.64 | 1.50 | 3 38 | 3.00 | .62 | 1.00 | 9 48 | 8 00 | 21.57 | 19.00 |
| 28283 | Carroll Bone Phos. (L. Grade) | Westminster | .77 | .75 | 2 76 | 2.00 | .57 | 1.00 | 8.73 | 7.00 | 16 55 | 13.80 |
| 28284 | High Grade Phosphate | Westminster | 2 03 | 2.00 | 5 38 | 5.00 | 1.12 | 1 00 | 11.34 | 11.00 | 27.56 | 26.60 |
| 28285 | XX Bone Phosphate | Patapsco | 1.08 | 1.00 | 3.18 | 3.00 | .80 | 1.00 | 9.65 | 9.00 | 19.40 | 18.20 |
| | **Farmers' & Planters' Co., Salisbury** | **, Md.** | | | | | | | | | | |
| 28213 | Cantaloup Special | Salisbury | 3.16 | 3.00 | 6.84 | 7.00 | .72 | ..... | 8 23 | 8.00 | 29.65 | 28 60 |
| 28215 | Early Vegetable Mixture | Newark | 4.27 | 5.00 | 6.30 | 5.00 | .95 | ..... | 7 33 | 6.00 | 32.56 | 32.20 |
| 28216 | Fish Mixture | Newark | 1.95 | 2.00 | 3.94 | 2.00 | .67 | ..... | 8.48 | 8.00 | 22.19 | 19.60 |
| 28218 | General Crop Grower | St. Martin | 1.26 | 1.00 | 4.36 | 2.00 | 1.10 | ..... | 7.76 | 10 00 | 19.15 | 18.00 |
| 28217 | High Grade 7% Mixture | Whaleysville | 6.33 | 7.00 | 5.16 | 5.00 | 1.95 | ..... | 5.92 | 6.00 | 38.36 | 40.20 |
| 28219 | Special Fish Mixture | Salisbury | 2.02 | 2.50 | 5.20 | 5.00 | 1.67 | ..... | 8.76 | 8 00 | 24.46 | 24.60 |
| 28220 | Sweet Potato Special | Salisbury | 1.81 | 2 00 | 10 02 | 10.00 | 3.80 | ..... | 6 91 | 8 00 | 27.07 | 27.60 |
| 28221 | Truckers Mixture | Bivalve | 3.23 | 3.50 | 5.04 | 4.00 | .67 | ..... | 8.33 | 8.00 | 28.23 | 27.60 |
| 28222 | Watermelon Special | Salisbury | 3.24 | 4.00 | 7.90 | 8.00 | 1.67 | ..... | 7.56 | 6.00 | 30.60 | 31.20 |
| | **Farmers' Supply Co., Westminster,** | **, Md.** | | | | | | | | | | |
| 28480 | Pars Ridge (Low Grade) | Westminster | .75 | .50 | 2.42 | 2.00 | .47 | ..... | 9 64 | 8 00 | 17.18 | 13.60 |
| 28481 | Standard | Westminster | 1.28 | 1.25 | 3.26 | 3.00 | .52 | ..... | 9 53 | 9.00 | 20.03 | 18.80 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Federal Chemical Co., Columbia, Tenn.** | | | | | | | | | | | |
| 28296 | Tennessee Brown Phos. Rock .. | Baltimore..... | ..... | ..... | ..... | ..... | *30.22 | *29.75 | ..... | ..... | ..... | ..... |
| | **German Kali Works, New York, N. Y.** | | | | | | | | | | | |
| 28404 | Muriate of Potash..... | Baltimore..... | ..... | ..... | 51.96 | 48.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28360 | Sulfate of Potash..... | Baltimore..... | ..... | ..... | 47.40 | 47.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| | **Griffith & Boyd Co., Balto., Md.** | | | | | | | | | | | |
| 28053 | Accomac Trucker..... | Baltimore..... | 4.69 | 5.00 | 5.88 | 5.00 | 2.05 | ..... | 6.20 | 6.00 | $32.90 | $32.20 |
| 28238 | Ammoniated Bone Phosphate... | Baltimore..... | 1.57 | 2.00 | 2.42 | 2.00 | 1.75 | ..... | 8.98 | 8.00 | 20.18 | 19.60 |
| 28405 | Double Strength Tobacco Grower | Baltimore..... | 2.53 | 3.00 | 2.02 | 3.00 | 2.30 | ..... | 9.03 | 8.00 | 23.92 | 24.60 |
| 28485 | Farmers Potato Manure..... | ..... | .87 | 1.00 | 8.64 | 9.00 | 1.55 | ..... | 8.52 | 8.00 | 22.96 | 22.60 |
| 28067 | Fish, Bone & Potash..... | Baltimore..... | 1.69 | 1.75 | 3.03 | 3.00 | 2.32 | ..... | 8.25 | 7.00 | 20.62 | 18.40 |
| 28383 | Fruit & Root Compound..... | Baltimore..... | 1.74 | 2.50 | 5.12 | 6.00 | .67 | ..... | 10.11 | 7.00 | 24.48 | 24.40 |
| 28077 | Gem Phosphate (Low Grade)... | Baltimore..... | ..... | ..... | 2.46 | 3.00 | 2.52 | ..... | 7.60 | 6.00 | 9.80 | 8.40 |
| 28286 | Gilt Edge Crop Grower..... | Hampstead..... | 1.88 | 2.00 | 8.44 | 10.00 | 2.05 | ..... | 8.58 | 8.00 | 27.08 | 27.60 |
| 28473 | Ground Fish..... | Trappe(J. P. McK.) | 9.85 | 10 00 | ..... | ..... | *6.47 | ..... | ..... | ..... | 33.43 | 30.00 |
| 28024 | High Grade Acid Phos. 14% .... | Baltimore..... | ..... | ..... | ..... | ..... | 1.77 | ..... | 13.88 | 14.00 | 12.84 | 12.60 |
| 28116 | High Grade Acid Phos. 16%.... | Baltimore..... | ..... | ..... | ..... | ..... | .35 | ..... | 15.49 | 16.00 | 14.01 | 14.40 |
| 28472 | Kainit..... | Trappe(J. P. McK.) | ..... | ..... | 13.80 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28087 | Monarch Brand..... | Baltimore ..... | ..... | ..... | 3.52 | 5 00 | 3.22 | ..... | 8.13 | 8.00 | 11.48 | 12.20 |
| 28471 | Muriate of Potash..... | Trappe(J. P. McK.) | ..... | ..... | 48.72 | 50 00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28054 | Nitro Crop Feeder..... | Baltimore..... | 8.09 | 9.00 | 3.10 | 2.50 | ..... | ..... | ..... | ..... | 27.37 | 29.50 |
| 28055 | Peerless Fertilizer (Low Grade) | Baltimore..... | .68 | 50 | 2.96 | 2.00 | .62 | ..... | 10.28 | 8.00 | 18.27 | 13.60 |
| 28056 | Potato Guano 7%..... | Baltimore.... ..... | 5.92 | 7.00 | 5.64 | 5.00 | 2.00 | ..... | 5.65 | 6.00 | 36.90 | 40.20 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28306 | Potato & Tomato Grower | Sparks | 1.02 | 1.00 | 4.62 | 7.00 | 2.00 | | 8.40 | 8 00 | $19 58 | $20.60 |
| 28351 | Pure Dissolved Animal Bone | Baltimore | 3.02 | 2.50 | | | 2.82 | | 10 93 | 10.00 | 26.33 | 22.00 |
| 28016 | Pure Fine Ground Bone Meal | Baltimore | 4 04 | 4 00 | | | *20.63 | *22.00 | | | 28.54 | 29 20 |
| 28287 | Royal Mixture 10 & 8 | Hampstead | | | 8 96 | 8.00 | 1.85 | | 10.08 | 10.00 | 18 40 | 17.00 |
| 28345 | Royal Potash Guano | Baltimore | .75 | 1.00 | 5.08 | 4 00 | 1.82 | | 8 26 | 8 00 | 18.72 | 17 60 |
| 28325 | Soluble Mixture 12 & 5 | Baltimore | | | 5.42 | 5.00 | 1.70 | | 11.08 | 12.00 | 15.73 | 15.80 |
| 28346 | Special Grain Grower | Baltimore | | | 2.20 | 2.00 | 1.72 | | 10.53 | 10.00 | 12.02 | 11.00 |
| 28207 | Special Guano | Baltimore | 2.24 | 2.00 | 5 08 | 5.00 | 1.70 | | 8 35 | 8 00 | 24.74 | 22.60 |
| 28156 | Spring Crop Grower | Baltimore | 2.05 | 2.00 | 4 86 | 4.50 | 2 22 | | 6.87 | 6.50 | 22 19 | 20 30 |
| 28186 | Stable Manure Substitute | Baltimore | 3 23 | 3.50 | 4.36 | 4.00 | 1 65 | | 5.45 | 5.00 | 24.48 | 24.00 |
| 28117 | Valley Fertilizer | Baltimore | 1.35 | .50 | 3 20 | 3.00 | .42 | | 8.43 | 8.00 | 18.89 | 14 60 |
| 28057 | Vegetable Bone | Baltimore | 2.64 | 3.00 | 6.90 | 7.00 | 1.62 | | 8 68 | 9.00 | 28 53 | 29.80 |
| 28025 | XX Potash Manure | Baltimore | | | 4.58 | 5 00 | 1.42 | | 10.84 | 10.00 | 14.62 | 14.00 |
| | **Griffith & Turner Co., Balto., Md.** | | | | | | | | | | | |
| 28202 | Ammoniated Alkaline Plant Fd. | Baltimore | .80 | 1.00 | 2.16 | 1.50 | 2.37 | 1.00 | 8 82 | 6.50 | 16.89 | 13.70 |
| 28177 | Amm'd Butchers Bone Phos. | Baltimore | 1.27 | 1.25 | 2 78 | 1.50 | 2.57 | | 7.60 | 9 00 | 18 01 | 17.30 |
| 28444 | Animal Bone Phosphate | Baltimore | 2.03 | 2.50 | 2.68 | 1.50 | 1.77 | | 8.75 | 10.00 | 22 01 | 23.50 |
| 28437 | Soft Ground Bone | Baltimore | 1.91 | 2.00 | | | *23.25 | *22.90 | | | 21.59 | 21 74 |
| 28406 | Special Mixture (Low Grade) | Baltimore | .55 | 50 | 3.10 | 2.00 | 2 30 | | 8 75 | 8 00 | 16.72 | 13.60 |
| 28178 | Special Potato Mixture | Baltimore | 1.21 | 1.00 | 5.40 | 5.00 | 2.37 | | 8.08 | 8.00 | 20.89 | 18.60 |
| | **Hampstead Fertilizer Co., Hampstead, Md.** | | | | | | | | | | | |
| 28288 | Acid Phosphate | Hampstead | | | | | .65 | | 16.10 | 16.00 | 14.62 | 14.40 |
| 28289 | Honesty | Hampstead | 1.02 | 1.00 | 2 68 | 2.00 | .72 | | 8.83 | 8.00 | 17.65 | 15.60 |
| | **S. M. Hess & Bro., Philadelphia, Pa.** | | | | | | | | | | | |
| 28103 | Farmers Cereal King | Baltimore | | | 3.48 | 3.00 | 1.10 | | 12.01 | 12.00 | 14.51 | 13 80 |
| 28104 | Farmers Favorite | Baltimore | 2.06 | 2.00 | 5 32 | 5.00 | 1.00 | | 8 28 | 8.00 | 23.90 | 22.60. |
| 28068 | Fish & Potash Manure | Baltimore | 2.03 | 2.00 | 3 10 | 3.00 | 1 30 | | 7.87 | 8.00 | 21 18 | 20 60 |
| 28010 | High Grade Truck Manure | Pocomoke City | 7.03 | 7 00 | 5.60 | 5.00 | 1.67 | | 6 48 | 6.00 | 42.17 | 40.20 |
| 28011 | Keystone Phosphate | Pocomoke City | 1.33 | 1.00 | 1 42 | 1.00 | .72 | | 8.40 | 8.00 | 17.11 | 14 60 |
| 28088 | Peerless Phosphate | Baltimore | | | 5.12 | 5.00 | 1 27 | | 12.35 | 12.00 | 16.49 | 15.80 |
| 28012 | Pocomoke Special | Pocomoke City | 5.04 | 5.00 | 5.50 | 5 00 | 1.25 | | 7 41 | 7.00 | 35.05 | 33.40 |
| 28089 | Potato & Truck Manure | Baltimare | 3.02 | 3.00 | 6.72 | 6.00 | 1.67 | | 8.02 | 8.00 | 29.09 | 27.60 |
| 28118 | Soluble Phosphate | Baltimore | | | | | 1.12 | | 14.03 | 14.00 | 12 85 | 12.60 |
| 28369 | Soluble Phosphate & Potash | Baltimore | | | 2 30 | 2 00 | .65 | | 10.18 | 10.00 | 11.59 | 11.00 |
| 28119 | Special Compound | Baltimore | 1.76 | 1 00 | 4 03 | 4.00 | 1.17 | | 8.68 | 8.00 | 21.96 | 17.60 |
| 28352 | Special Compound No. 2 | Baltimore | 1.19 | 1.00 | 2 26 | 2.00 | .97 | | 8.21 | 8.00 | 17 26 | 15.60 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **S. M. Hess & Bro., Philadelphia, Pa.** | | | | | | | | | | | |
| 28069 | Special Corn Manure | Baltimore | 1.02 | 1.00 | 2.06 | 2.00 | 1.02 | ..... | 8.28 | 8.00 | $16.49 | 15.60 |
| 28026 | Special Potato Manure | Baltimore | 4.20 | 4.00 | 7.72 | 7.00 | 1.22 | ..... | 7.52 | 8.00 | 34.03 | 32.60 |
| 28051 | Superior Potash Mixture | Baltimore | 2.10 | 2.00 | 8.08 | 10.00 | 1.22 | ..... | 8 33 | 8.00 | 26.97 | 27.60 |
| 28447 | Wheat & Grass Manure | Baltimore | 1.01 | 1.00 | 2.04 | 2.00 | 1.05 | ..... | 8.43 | 8.00 | 16.62 | 15 60 |
| | **Home Fertilizer & Chemical Co., Balto., Md.** | | | | | | | | | | | |
| 28231 | Matchless Guano | Baltimore | 2.17 | 2.00 | 4.54 | 4 00 | 1.07 | ..... | 8.40 | 8.00 | 23 73 | 21.60 |
| 28496 | Potato Special | Baltimore | 2.22 | 2.00 | 6.02 | 10.00 | 1.12 | ..... | 9.08 | 8 00 | 26.25 | 27.60 |
| | **Wm. H. Hood, Mt. Airy, Md.** | | | | | | | | | | | |
| 28295 | Special Mixture | Mt. Airy | 1.06 | 1.00 | 2.16 | 2.00 | 1.42 | ..... | 12.02 | 9.00 | 21.39 | 16.80 |
| | **Horsey, Roe & Co., Greensboro, Md.** | | | | | | | | | | | |
| 28318 | 1-8-4 | Greensboro | .85 | 1.00 | 4.80 | 4.00 | 1.10 | ..... | 9.63 | 8.00 | 20 20 | 17.60 |
| 28319 | Pea Fertilizer | Greensboro | 3.45 | 3 50 | 5.18 | 5.00 | 1.15 | ..... | 9.38 | 7.00 | 30.70 | 27.40 |
| 28320 | Rock & Potash 12 & 5 | Greensboro | ..... | ..... | 5.24 | 5.00 | 1.87 | ..... | 12.56 | 12.00 | 16.91 | 15.80 |
| 28321 | Special Truck | Greensboro | 2.03 | 2.00 | 6.02 | 5.00 | 1.97 | ..... | 8.36 | 8.00 | 24.96 | 22.60 |
| | **Hubbard Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28290 | Alkaline 12 & 5 | Alesia | ..... | ..... | 5.02 | 5.00 | 1.62 | ..... | 12.34 | 12.00 | 16.45 | 15.80 |
| 28090 | B. & P. 10-2 | Baltimore | ..... | ..... | 2.20 | 2.00 | .95 | ..... | 11.27 | 10 00 | 12.53 | 11.00 |
| 28203 | Blood, Bone & Potash | Baltimore | 4.04 | 4.00 | 7.26 | 7.00 | .45 | ..... | 8.40 | 8 00 | 33.68 | 32.60 |
| 28291 | Buyers Mixture | New Windsor | ..... | ..... | 5.28 | 5 00 | 1.82 | ..... | 9 93 | 8.00 | 14.58 | 12.20 |
| 28256 | Climax Phosphate | Baltimore | 1.54 | 1.00 | 4 04 | 4.00 | .85 | ..... | 8 35 | 7.00 | 20.56 | 16.40 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28243 | Columbia Gem | Baltimore | 1.01 | .50 | 2.56 | 2.00 | .97 | ..... | 9.38 | 8.00 | $18.25 | $13.60 |
| 28028 | Farmer's I. X. L. | Baltimore | 2.20 | 2.00 | 2.38 | 2.00 | .90 | ..... | 8.22 | 8.00 | 21.40 | 19.60 |
| 28029 | Jersey Trucker | Baltimore | 2.24 | 2.00 | 10.74 | 10.00 | 1.35 | ..... | 7.19 | 8.00 | 28.87 | 27.60 |
| 28142 | Jewel Phosphate | Baltimore | 1.38 | 1.25 | 6.04 | 5.00 | .55 | ..... | 7.77 | 8.00 | 21.10 | 19.60 |
| 28307 | Money Maker | Hydes | 2.10 | 2.00 | 5.58 | 5.00 | .97 | ..... | 7.33 | 8.00 | 23.17 | 22.60 |
| 28490 | Oriental Phosphate | ..... | 1.50 | 1.00 | 2.36 | 2.00 | 1.15 | ..... | 7.71 | 8.00 | 18.07 | 15.60 |
| 28244 | Phosphate 14% | Baltimore | ..... | ..... | ..... | ..... | .25 | ..... | 15.88 | 14.00 | 14.34 | 12 60 |
| 28245 | Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | .67 | ..... | 15.68 | 16.00 | 14.24 | 14.40 |
| 28424 | Pure German Kanit. | Pleasant Hill | ..... | ..... | 13.38 | 12.40 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28493 | Royal Ensign | Baltimore | 2.63 | 3.00 | 4.32 | 4.00 | 1.27 | ..... | 7.85 | 8.00 | 24.77 | 25.60 |
| 28092 | Royal Seal 5% | Baltimore | 4.81 | 5.00 | 6.92 | 5.00 | .70 | ..... | 7.02 | 6.00 | 34.86 | 32.20 |
| 28021 | Royal Seal 7% | Baltimore | 7.15 | 7.00 | 5.60 | 5.00 | .55 | ..... | 5.71 | 6.00 | 41.27 | 40.20 |
| 28120 | Special Mixture | Baltimore | ..... | ..... | 4.12 | 4.00 | 1.52 | ..... | 10 66 | 10.00 | 14.01 | 13 00 |
| 28239 | Standard Phosphate | Baltimore | 1.96 | 2.00 | 4.86 | 3.00 | .40 | ..... | 7.75 | 8.00 | 22.16 | 20.60 |
| | **M. P. Hubbard & Co., Inc., Balto., Md.** | | | | | | | | | | | |
| 28233 | Arrow Compound | Baltimore | 2 03 | 2.00 | 10 36 | 10.00 | 1.25 | ..... | 8 23 | 8.00 | 28.86 | 27.60 |
| 28004 | Bermuda Guano 7% | Baltimore | 7.08 | 7.00 | 5.03 | 5.00 | .27 | ..... | 6.66 | 6.00 | 41.45 | 40.20 |
| 28356 | Dissolved Phosphate | Baltimore | ..... | ..... | ..... | ..... | .77 | ..... | 16.03 | 16.00 | 14.58 | 14 40 |
| 28136 | Eclipse Guano | Baltimore | 2.44 | 2.00 | 4.16 | 5.00 | .42 | .... | 7.86 | 7.00 | 23 52 | 21.40 |
| 28162 | Excelsior Super-Phosphate | Baltimore | 1 54 | 1.25 | 3.96 | 2.00 | .97 | 1.50 | 8.48 | 8.00 | 20.69 | 17.20 |
| 28137 | Farmers Acme | Baltimore | 1.25 | 1.00 | 4.46 | 4.00 | .60 | 1.00 | 8.02 | 8.00 | 19.32 | 18.00 |
| 28353 | Farmers Friend | Baltimore | 1.18 | 1.00 | 8.36 | 8.00 | 1.00 | ..... | 7.40 | 8.00 | 22.36 | 21.60 |
| 28187 | Fish & Potash Mix. (L. Grade) | Baltimore | .51 | .25 | 2.26 | 1.00 | .85 | 1.00 | 7.25 | 7.00 | 13.34 | 10.80 |
| 28260 | German Kainit | Walkersville | ..... | ..... | 13.60 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28149 | Harvest King Phosphate | Baltimore | 1.16 | 1.00 | 4.88 | 3.00 | .87 | 1.00 | 8.16 | 9.00 | 19.66 | 18.20 |
| 28361 | Havana Special | Baltimore | 3.03 | 3 00 | 3 42 | 3.00 | 1 27 | ..... | 8.68 | 8 00 | 26.47 | 24.60 |
| 28138 | Md. Special Vegetable Grower | Baltimore | 4.83 | 5.00 | 4.80 | 5.00 | .32 | ..... | 7.25 | 7.00 | 32.95 | 33.40 |
| 28163 | Old Economy (Low Grade) | Baltimore | .68 | .50 | 3.52 | 2.00 | .68 | 1.00 | 8 35 | 8.00 | 16.53 | 14.00 |
| 28204 | Soluble Phosphate & Potash | Baltimore | ..... | ..... | 2.20 | 2.00 | .75 | 1.50 | 11 05 | 10.00 | 12.30 | 11.30 |
| 28139 | Soluble S. C. Phosphate | Baltimore | ..... | ..... | ..... | ..... | .52 | 1.00 | 14 21 | 14.00 | 12.89 | 12.80 |
| 28192 | XXXX Rock & Potash Mixture | Baltimore | ..... | ..... | 5.54 | 5.00 | .99 | 1.50 | 12.08 | 12.00 | 16.61 | 16.10 |
| | **Huston Darbee & Co., Seaford, Del.** | | | | | | | | | | | |
| 28269 | Crop Grower | Hurlock | .96 | 1.00 | 4.08 | 4 00 | .70 | ..... | 9.28 | 8.00 | 19.34 | 17.60 |
| | **Lancaster Chemical Co., Lancaster, Pa.** | | | | | | | | | | | |
| 28918 | Dewey Brand Fertilizer | Aiken | 1.52 | 1.50 | a4.66 | 4.00 | 1.25 | 1.00 | 9.70 | 8.00 | 23.81 | 20.80 |

a. As Sulphate.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Lister's Agricultural Chemical Wor** | **ks, Newark, N. J.** | | | | | | | | | | |
| 28659 | Atlas Brand Alkaline Fertilizer. | Baltimore | ..... | ..... | 5.28 | 5.00 | 1.05 | ..... | 12.28 | 12.00 | $16.54 | $15.80 |
| 28565 | Buyers Choice Acid Phosphate.. | Baltimore | ..... | ..... | ..... | ..... | .87 | ..... | 14.60 | 14.00 | 13.31 | 12.60 |
| 28610 | Cel. Gr. Bone & Tank. Acidul'd | Baltimore | 3.41 | 3.25 | ..... | ..... | *12.45 | *12.00 | ..... | ..... | 21.11 | 20.20 |
| 28722 | Corn & Potato Fertilizer..... | Baltimore | 2.12 | 2.00 | 3.20 | 3.00 | 1.20 | ..... | 8.08 | 8.00 | 21.86 | 20.60 |
| 28723 | Crescent Complete Manure..... | Baltimore | 2.05 | 2.00 | 4.16 | 5.00 | 1.22 | ..... | 8.51 | 8.00 | 23.06 | 22.60 |
| 28870 | Dissolved Phosphate & Potash. | Baltimore | ..... | ..... | 2.08 | 2.00 | .85 | ..... | 10.33 | 10.00 | 11.55 | 11.00 |
| 28827 | "G" Brand..... | Cardiff..... | 1.06 | 1.00 | 4.02 | 4.00 | 1.22 | ..... | 8.26 | 8.00 | 18.66 | 17.60 |
| 28528 | Golden Sheaf..... | Baltimore | 1.13 | .50 | 2.20 | 2.00 | 1.00 | ..... | 9.04 | 8.00 | 17.97 | 13.60 |
| 28683 | Harvest Queen Phosphate..... | Baltimore | 1.55 | 1.50 | 2.02 | 2.00 | 1.72 | .... | 8.21 | 9.00 | 18.76 | 18.80 |
| 28582 | Potato Manure..... | Baltimore | 3.92 | 4.00 | 7.36 | 7.00 | 1.60 | ..... | 8.35 | 8.00 | 33.70 | 32.60 |
| 28667 | Potash Mixture..... | Baltimore | ..... | ..... | 5.26 | 5.00 | .77 | ..... | 8.41 | 8.00 | 12.98 | 12.20 |
| 28735 | Spec. Crop Prod. (Low Grade). | Baltimore | 1.14 | 1.00 | 1.30 | 1.00 | .92 | ..... | 7.96 | 7.00 | 15.78 | 13.40 |
| 28611 | Special Fertilizer 10%..... | Baltimore | 2.06 | 2.00 | 9.82 | 10.00 | .82 | ..... | 8.38 | 8.00 | 28.45 | 27.60 |
| 28660 | Special Potato Guano 7%..... | Baltimore | 6.37 | 7.00 | 5.66 | 5.00 | 1.30 | ..... | 6.78 | 6.00 | 39.80 | 40.20 |
| 28752 | Special Tobacco Fertilizer..... | Baltimore | 2.53 | 2.50 | 4.08 | 3.00 | 1.17 | ..... | 8.06 | 8.00 | 24.34 | 22.60 |
| 28733 | Stand. Pure Super-Phos. of Lime | Baltimore | 2.85 | 3.00 | 2.30 | 2.00 | 1.20 | ..... | 8.50 | 9.00 | 24.38 | 24.80 |
| 28922 | Tobacco Grower..... | Baltimore | 1.26 | 1.25 | 3.02 | 3.00 | 1.25 | ..... | 8.45 | 8.00 | 18.70 | 17.60 |
| 28877 | Tomato & Sweet Potato Manure | Baltimore | 2.85 | 3.00 | 8.02 | 5.00 | 1.30 | ..... | 7.24 | 8.00 | 28.63 | 26.60 |
| 28724 | Vegetable Compound..... | Baltimore | 4.03 | 4.00 | 7.10 | 7.00 | 1.37 | ..... | 8.16 | 8.00 | 33.56 | 32.60 |
| | **McComas Bros., Bel Air, Md.** | | | | | | | | | | | |
| 28828 | High Grade Fertilizer..... | Bel Air | 1.64 | 1.50 | 5.02 | 5.00 | 1.72 | ..... | 6.93 | 6.00 | 20.59 | 18.20 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **D. B. Martin Co., Philadelphia, Pa.** | | | | | | | | | | | |
| 28516 | Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .72 | ..... | 16.06 | 16.00 | $14.59 | $14.40 |
| 28635 | Blood, Tankage & Potash | Baltimore | 4.88 | 5.00 | 7.08 | 7.00 | 1.52 | ..... | 9.51 | 8.00 | 38.62 | 36.60 |
| 28684 | Claremont Vegetable Grower | Baltimore | 2.63 | 3.00 | 4.62 | 5.00 | 1.92 | ..... | 7.96 | 7.00 | 25.46 | 25.40 |
| 28801 | Corn & Cereal Special | Leslie | 2.63 | 2.00 | 2.80 | 2.00 | 1.77 | ..... | 8.90 | 8.00 | 24.71 | 19.60 |
| 28736 | Crop Producer | Baltimore | 1.13 | 1.25 | ..... | ..... | 1.95 | ..... | 10.13 | 10.00 | 17.46 | 17.00 |
| 28882 | Dissolved Animal Matter | Baltimore | 2.85 | 2.00 | ..... | ..... | 5.30 | ..... | 10.96 | 12 00 | 26.67 | 22.40 |
| 28661 | Dissolved Organic Compound | Baltimore | 1.08 | 1.25 | 3.32 | 2.00 | 1.17 | ..... | 9.66 | 9.00 | 19.70 | 17.80 |
| 28628 | Early Truck & Veg. Grower | Baltimore | 4.01 | 4.00 | 8.96 | 8.00 | .75 | ..... | 5.70 | 6.00 | 32.14 | 31.20 |
| 28629 | Gilt Edge Potato Manure | Baltimore | 3.33 | 3.00 | 8.74 | 10.00 | .75 | ..... | 6.40 | 7.00 | 30.04 | 30.40 |
| 28562 | Guano 7% | Baltimore | 7.12 | 7.00 | 5.70 | 5.00 | 1.22 | ..... | 7.93 | 6.00 | 44.19 | 40.20 |
| 28517 | One, Eight & Four | Baltimore | 1.14 | 1.00 | 4.04 | 4.00 | 1.32 | ..... | 8.64 | 8.00 | 19.50 | 17.60 |
| 28737 | Potash & Soluble Phos. (L. Gr.) | Baltimore | ..... | ..... | 2.90 | 3.00 | .55 | ..... | 8.95 | 6.00 | 11.07 | 8 40 |
| 28518 | Potash & Soluble Phosphate | Baltimore | ..... | ..... | 4.90 | 5.00 | .22 | ..... | 13.11 | 12.00 | 16.74 | 15.80 |
| 28545 | Prize Potato | Baltimore | 2.05 | 2.00 | 10.24 | 10.00 | 1.57 | ..... | 8.63 | 8 00 | 29.43 | 27.60 |
| 28712 | Pure Dissolved Animal Matter | Showells | 2.85 | 2 00 | ..... | ... .. | 7.02 | ..... | 9.98 | 12.00 | 26.19 | 22.40 |
| 28849 | Pure Ground Bone | Baltimore | 2.30 | 2 00 | ..... | ..... | *22.78 | *22.90 | ..... | ..... | 23.87 | 21.74 |
| 28563 | Pure Raw Bone Meal | Baltimore | 4.11 | 4.50 | ..... | ..... | *23.65 | *22.00 | ..... | ..... | 30 63 | 31.20 |
| 28738 | Special Compound | Baltimore | 1.81 | 2.00 | 5.04 | 5.00 | 2.17 | ..... | 6.77 | 8.00 | 21.27 | 22.60 |
| 28923 | Special Fish Mixture | Baltimore | 1.55 | 2.00 | 10.30 | 10.00 | 1.90 | ..... | 8.03 | 8.00 | 26.90 | 27.60 |
| 28636 | Special Potato Manure | Baltimore | 1.04 | 1.00 | 5.24 | 5.00 | 1.40 | ..... | 8.82 | 8.00 | 20.54 | 18.60 |
| 28725 | Sure Grower | Baltimore | 1.18 | 1.00 | 1 44 | 1.00 | 1.45 | ..... | 10.28 | 8.00 | 19.08 | 14 60 |
| 28630 | Virginia Truck Grower | Baltimore | 3.75 | 5.00 | 5.48 | 5.00 | .90 | ..... | 8.83 | 7.00 | 31.44 | 33.40 |
| | **J. O. Maynard & Co., Balto., Md.** | | | | | | | | | | | |
| 28631 | H. G. Special Vegetator | Baltimore | 2.73 | 3.00 | 2.62 | 2 50 | 1.30 | ..... | 7.63 | 7.00 | 23.22 | 22.90 |
| 28602 | H. G. Truckers Pride | Baltimore | 4.56 | 4.80 | 3.92 | 2.50 | .77 | ..... | 7.41 | 6.00 | 31.36 | 28.90 |
| | **F. Mehring, Keymar, Md.** | | | | | | | | | | | |
| 28905 | Dissolved Raw Bone | Williamsport | 2.25 | 2.00 | ..... | ..... | 2.22 | 1.00 | 15.28 | 14.00 | 28.23 | 25.20 |
| 28906 | Wheat & Grass Producer | Williamsport | 1.08 | 1.00 | 3.32 | 3.00 | 2.17 | 1.00 | 11.79 | 10.00 | 22.66 | 19.40 |
| | **Miller Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28887 | Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1.37 | ..... | 15.78 | 16.00 | 14.47 | 14.40 |
| 28583 | Ammoniated Dissolved Bone | Baltimore | 2.03 | 2.00 | 2.38 | 2.00 | .60 | .50 | 8.05 | 8.00 | 20.40 | 19.80 |
| 28807 | Clinch Phosphate | Lineboro | ..... | ..... | 1.84 | 2.00 | .57 | .50 | 10.13 | 10.00 | 11.07 | 11.10 |
| 28649 | Club Brand (Low Grade) | Baltimore | .61 | .50 | 2.14 | 2.00 | .85 | .50 | 8.10 | 8.00 | 14.64 | 13.80 |
| 28708 | Dissolved Raw Bone | Baltimore | 1.88 | 2.00 | ..... | ..... | 1.10 | .50 | 11.08 | 11.00 | 21.26 | 21.40 |
| 28739 | Farmers Profit | Baltimore | 1.11 | 1.00 | 4.88 | 5.00 | 1.00 | .50 | 8.20 | 8.00 | 19.56 | 18 80 |
| 28584 | Harvest Queen | Baltimore | 1.27 | 1.25 | 2.54 | 2.75 | .60 | .50 | 9.12 | 9.00 | 18.80 | 18.75 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Miller Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28650 | Hustler Phosphate | Baltimore | 1.21 | 1 00 | 1.26 | 1.00 | .80 | .50 | 8 78 | 8.00 | $16.96 | $14 80 |
| 28682 | McAfee's Potato Grower | Baltimore | 2.02 | 2.00 | 5.12 | 5.00 | .80 | ..... | 8.10 | 8.00 | 23.24 | 22 60 |
| 28637 | McAfee's Stand Amm'd B. Phos. | Baltimore | 2.06 | 2.00 | 2.96 | 3.00 | .67 | ..... | 8.23 | 8.00 | 21.35 | 20.60 |
| 28639 | McAfee's Truckers Favorite | Baltimore | 3.94 | 3.75 | 2.52 | 2.50 | 1.20 | ..... | 8.75 | 9.00 | 29.26 | 28.30 |
| 28685 | M. B. S. | Baltimore | 1.38 | 1.00 | 2.42 | 3.00 | .45 | .50 | 7.93 | 7.00 | 17.64 | 15 60 |
| 28651 | Pimlico | Baltimore | 2.15 | 2.00 | 10.02 | 10.00 | .60 | .50 | 8 93 | 8.00 | 29.58 | 27.80 |
| 28808 | Potato Fertilizer | Alesia | 1.02 | 1.00 | 4.90 | 5.00 | .65 | .50 | 7.43 | 7.00 | 18.16 | 17.60 |
| 28803 | Potash Mixture | Simpsonville | ..... | ..... | 4.62 | 5 00 | .67 | .50 | 10.43 | 10.00 | 14.14 | 14.10 |
| 28652 | Potato & Vegetable Grower | Baltimore | 1.96 | 2.00 | 4.03 | 4.00 | .77 | .50 | 8 23 | 8.00 | 22.06 | 21.80 |
| 28585 | Potato & Veg. Grower No. 1 | Baltimore | 4.01 | 4.50 | 7.22 | 7.00 | .45 | .50 | 8.72 | 8.00 | 33.90 | 34.80 |
| 28895 | Special Potato Fertilizer | Ellicott City | 1.04 | 1.00 | 5.22 | 5.00 | 1.17 | .50 | 7.41 | 7.00 | 18 74 | 17.60 |
| 28932 | Special Tobacco Grower | Baltimore | 2.04 | 2 00 | 4.96 | 4.00 | .70 | .50 | 8 50 | 8.00 | 23.60 | 21.80 |
| 28754 | Special Tomato Grower | Baltimore | 2.02 | 2.00 | 2.20 | 2.00 | .80 | .50 | 8.45 | 8.00 | 20.74 | 19.80 |
| 28586 | Standard Phosphate | Baltimore | 3.12 | 3.00 | 3.04 | 3 00 | .55 | .50 | 8.65 | 8.00 | 26.12 | 24.80 |
| 28947 | W. G. Phosphate (Low Grade) | ..... | .84 | .50 | 1 50 | 1.00 | .87 | .50 | 6.62 | 7.00 | 13.15 | 11 60 |
| | **National Guano Co., Aurora, Ill.** | | | | | | | | | | | |
| 23693 | Pulverized Sheep Manure | Baltimore | 3.04 | 2.73 | 1.92 | 1.50 | .07 | ..... | 1.68 | 1 00 | 16.13 | 13.62 |
| | **J. B. Nichols & Son., Balto., Md.** | | | | | | | | | | | |
| 28580 | Farmers Friend Fertilizer | Baltimore | 4.01 | 4.00 | 3.88 | 4.00 | 4.25 | ..... | 9.58 | 7.00 | 33.12 | 28.40 |
| | **Nitrate Agencies Co., New York, N. Y.** | | | | | | | | | | | |
| 28662 | High Grade Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .20 | ..... | 16.08 | 16.00 | 14.51 | 14.40 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **G. Ober & Sons Co., Balto., Md.** | | | | | | | | | | | |
| 28856 | Avondale Amm'd Diss. Bone.... | Baltimore..... | 2.01 | 2.00 | 2.02 | 2.00 | .95 | ..... | 8.45 | 8.00 | $20.58 | $19.60 |
| 28640 | Basic Slag..... | Baltimore..... | ..... | ..... | ..... | ..... | 1 22 | ..... | b.17 28 | b17.00 | ..... | ..... |
| 28603 | Complete Vegetable Fert. 5%.. | Baltimore..... | 4.06 | 5.00 | 6.18 | 5.00 | .62 | ..... | 9.33 | 7.00 | 33.87 | 33.40 |
| 28861 | Dissolved Animal Bone..... | Baltimore..... | 3.07 | 3.00 | ..... | ..... | .87 | ..... | 12.07 | 10.00 | 27.11 | 24.00 |
| 28532 | Dissolved Bone Phosphate..... | Baltimore..... | ..... | ..... | ..... | ..... | .48 | ..... | 15 62 | 14.00 | 14 16 | 12.60 |
| 28740 | Dissolved Bone Phos. & Potash. | Baltimore..... | ..... | ..... | 2.32 | 2.00 | .25 | ..... | 10.05 | 10.00 | 11 42 | 11.00 |
| 28741 | Farmers Mixture..... | Baltimore..... | 1.02 | 1.00 | 2 03 | 2.00 | 1.45 | ..... | 10.58 | 9.00 | 19 39 | 16.80 |
| 28955 | Farmers Stand. Amm'd. Phos.. | ..... | 2.01 | 2.00 | 2.22 | 2.00 | .97 | ..... | 9.90 | 9.00 | 22.53 | 20.80 |
| 28573 | Fish, Bone & Potash Mixture... | Baltimore..... | 3.41 | 3.25 | 3.86 | 3 50 | .47 | ..... | 7.47 | 8.00 | 26:65 | 26.10 |
| 28871 | Fish & Potash Fertilizer..... | Baltimore..... | 2.01 | 2.00 | 2.40 | 2.00 | .77 | ..... | 9.83 | 9 00 | 22.55 | 20.80 |
| 28604 | Golden Crown Vegetator..... | Baltimore..... | 5.15 | 5.00 | 5.28 | 7.00 | 1.35 | ..... | 9.74 | 8.00 | 38.11 | 36.60 |
| 28512 | High Grade Acid Phosphate .... | Baltimore..... | ..... | ..... | ..... | ..... | .20 | ..... | 17.85 | 16.00 | 16.11 | 14 40 |
| 28694 | Independent Amm'd. Super-Phos | Baltimore..... | 1.08 | 1.00 | 1 02 | 1 00 | .70 | ..... | 10.05 | 8.00 | 17.68 | 14.60 |
| 28596 | Overland Special Mixture..... | Baltimore..... | 2.08 | 2.00 | 10.20 | 10.00 | .97 | ..... | 8.70 | 8.00 | 29.35 | 27.60 |
| 28862 | Ox Head Mixture (Low Grade). | Baltimore..... | .61 | .50 | 2 78 | 2.00 | 1.27 | ..... | 9.91 | 8.00 | 17.62 | 13 60 |
| 28960 | Red King Tomato Grower..... | ..... | 2.03 | 2 00 | 7.12 | 7.00 | .87 | ..... | 7 31 | 6.00 | 24.36 | 22.20 |
| 28742 | Special Compound..... | Baltimore..... | 3.04 | 3.00 | a3 30 | 3.00 | .90 | ..... | 8.67 | 8.00 | 26.88 | 25.20 |
| 28478 | Special Compound..... | La Plata (C. B. G.) | 2.82 | 3.00 | a.3 18 | 3 00 | .67 | ..... | 8.51 | 8.00 | 25.58 | 25 20 |
| 28513 | Special Plant Food..... | Baltimore..... | 1.86 | 2.00 | 5.48 | 5 00 | .90 | ..... | 9.35 | 9.00 | 24.50 | 23.80 |
| 28520 | Special Tobacco Bed Fert..... | Baltimore..... | 9.74 | 10.00 | 3.28 | 3.00 | .30 | 1.00 | 5 75 | 4.00 | 49.26 | 48.20 |
| 28686 | Stag Guano..... | Baltimore..... | 1.08 | 10.00 | 4.04 | 4.00 | .72 | ..... | 8.38 | 8.00 | 18.71 | 17.60 |
| 28956 | Standard Potash Compound..... | Baltimore..... | ..... | ..... | 5 34 | 5.00 | .47 | ..... | 12.18 | 12 00 | 16.39 | 15.80 |
| 28536 | Stand. Southern Veg. Fert. 7%. | Baltimore..... | 6.67 | 7.00 | 5.06 | 5.00 | .83 | ..... | 6.82 | 6.00 | 40.25 | 40.20 |
| | **Pan American Fertilizer Co., New** | **York, N. Y.** | | | | | | | | | | |
| 28863 | Pan American Winner..... | Baltimore..... | 2.06 | 2.00 | 5.54 | 5.00 | 1.05 | ..... | 8.28 | 8.00 | 24.14 | 22.60 |
| 28881 | Harvest Winner..... | Baltimore..... | ..... | ..... | 5.42 | 5.00 | 1.97 | ..... | 12.26 | 12.00 | 16.84 | 15.80 |
| | **Patapsco Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28503 | Alkaline Plant Food..... | Baltimore..... | ..... | ..... | 5.14 | 5.00 | .40 | ..... | 8 27 | 8.00 | 12.66 | 12.20 |
| 28547 | Blood, Bone & Potash (L. Grade) | Baltimore..... | .67 | .50 | 2.02 | 2.00 | .57 | ..... | 9.09 | 8.00 | 15.84 | 13.60 |
| 28476 | Columbia Guano..... | La Plata (J. E. M.) | 2.90 | 3.00 | 5 88 | 5.00 | 1 02 | ..... | 8.16 | 8.00 | 27 68 | 26.60 |
| 28533 | Coon Brand Guano..... | Baltimore..... | 1.02 | 1.00 | 3 46 | 3.00 | 1.13 | ..... | 9 17 | 9.00 | 18.99 | 17 80 |
| 28726 | Corn & Tomato Fertilizer..... | Baltimore..... | 1.35 | 1.50 | 2.10 | 2 00 | 1.20 | ..... | 8.94 | 9.00 | 18.71 | 18.80 |
| 28529 | Early Trucker..... | Baltimore..... | 4.74 | 5.00 | 5 34 | 5.00 | 1 28 | ..... | 7.52 | 7.00 | 33.83 | 33.40 |
| 28548 | Enterprise Phosphate..... | Baltimore..... | ..... | ..... | 5.42 | 5.00 | .67 | ..... | 10.52 | 10.00 | 15 02 | 14.00 |
| 28534 | Fish Guano..... | Baltimore..... | 2.10 | 2.00 | 2.64 | 2.00 | 1.03 | ..... | 7.32 | 6.00 | 20.23 | 17.20 |
| 28866 | Grange Mixture..... | Baltimore..... | 2.10 | 2.00 | 2.14 | 2.00 | .97 | ..... | 9.13 | 8.00 | 21.89 | 19 60 |

a. As Sulphate. b. Wagner's Method.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Patapsco Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28521 | Peninsula Potash Mixture..... | Baltimore..... | ..... | ..... | 5.28 | 5.00 | .45 | ..... | 12.38 | 12.00 | $16.51 | $15.80 |
| 28930 | Phospho Potash (Low Grade)... | Baltimore..... | ..... | ..... | 3.22 | 3.00 | .67 | ..... | 6.78 | 6.00 | 9.45 | 8.40 |
| 28587 | Potato Guano..... | Baltimore..... | 5 03 | 5.00 | 7.10 | 7.00 | 1.20 | ..... | 6.77 | 6.00 | 35.82 | 34.20 |
| 28888 | Potato Manure..... | Baltimore..... | 1.52 | 2.00 | 12.64 | 10.00 | .65 | ..... | 5.25 | 5.00 | 25.28 | 24.00 |
| 28774 | Prolific Pea Grower..... | Centerville..... | 2.04 | 2 00 | 4.28 | 4.00 | 1.12 | ..... | 8.02 | 8.00 | 22.51 | 21.60 |
| 28837 | Pure Dissolved Phosphate..... | Cockeysville..... | ..... | ..... | ..... | ..... | .97 | ..... | 14.46 | 14.00 | 13.20 | 12.60 |
| 28775 | Pure Raw Bone..... | Centerville..... | 4.43 | 4 50 | ..... | ..... | *21 23 | *21.51 | ..... | ..... | 30 46 | 30.91 |
| 28842 | Sea Gull Guano..... | Snow Hill..... | 1.21 | 1.00 | 1.32 | 1.00 | .85 | ..... | 8.35 | 8.00 | 16.52 | 14.60 |
| 28504 | Soluble Phosphate & Potash.... | Baltimore..... | ..... | ..... | 2.06 | 2.00 | .47 | ..... | 10.40 | 10.00 | 11 51 | 11.00 |
| 28857 | Spec. Wht. Comp. Ani. B. Base. | Baltimore..... | 2.27 | 2.25 | 4.36 | 2.50 | 3.45 | 5.00 | 10.93 | 9.00 | 27.94 | 24.30 |
| 28867 | Tobacco & Potato Fertilizer.... | Baltimore..... | 2 06 | 2.00 | 4.20 | 4.00 | 1.45 | ..... | 8.50 | 8.00 | 23.22 | 21.60 |
| 28843 | Tomato Guano..... | Denton..... | 2.03 | 2.00 | 4 03 | 4.00 | 1.17 | ..... | 8.23 | 8.00 | 22 50 | 21.60 |
| | **Peerless Fertilizer Co., Chestertown, Md.** | | | | | | | | | | | |
| 28940 | American Standard Fertilizer... | ..... | 3.38 | 4.00 | 8.30 | 7.00 | .62 | ..... | 7.57 | 6.00 | 31.15 | 30.20 |
| 28623 | Ford's Ideal (Low Grade)..... | Baltimore..... | .53 | .50 | 3.18 | 5.00 | .52 | ..... | 12.01 | 8.00 | 19.92 | 16 60 |
| 28844 | Imperial Compound..... | Chestertown..... | 1.02 | 1.00 | 5.06 | 4.00 | .60 | ..... | 8.48 | 8.00 | 19.56 | 17.60 |
| 28465 | Muriate of Potash..... | Kennedyv'(S.J.L.) | ..... | ..... | 50.04 | 49.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28852 | Our Corn Fert. (Low Grade)... | Baltimore..... | .63 | .75 | 4.38 | 3.00 | .62 | ..... | 8.83 | 8.00 | 17.75 | 15.60 |
| 28935 | Our Peerless Fertilizer..... | ..... | 1.72 | 2.00 | 6.46 | 5.00 | .62 | ..... | 7.16 | 7.00 | 22.18 | 21.40 |
| 28464 | Rock 16%..... | Kennedyv'(S.J.L.) | ..... | ..... | ..... | ..... | .30 | ..... | 16 72 | 16.00 | 15.11 | 14.40 |
| 28664 | Sweet Potato Manure..... | Baltimore..... | 1.37 | 2.00 | 12.36 | 10.00 | .57 | ..... | 6 58 | 6.00 | 25.97 | 25 20 |
| 28466 | Tankage 8%..... | Kenneddyv'(S.J.L.) | 7.53 | 8.00 | ..... | ..... | *3.41 | .... | ..... | ..... | 24.04 | 24.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28598 | Truckers Pride | Baltimore | 5.85 | 7.00 | 6.82 | 5.00 | .72 | ..... | 7.06 | 6.00 | $38.98 | $40.20 |
| | **Peruvian Guano Corporation, Charleston, S. C.** | | | | | | | | | | | |
| 28687 | H. G. Peruvian Guano | Baltimore | 2.42 | 3.00 | 1 50 | 2.00 | 6.12 | ..... | 8.83 | 14.00 | 24.23 | 30.80 |
| | **Piedmont-Mt. Airy Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28936 | Leverings Excelsior | Baltimore | 1.18 | 1.00 | 2.20 | 1.00 | .80 | ..... | 8.41 | 8.00 | 17.33 | 14.60 |
| 28873 | Leverings Harvest Queen | Baltimore | 1.01 | 1.00 | 2 14 | 2.00 | 1.17 | ..... | 8.91 | 8.00 | 17.34 | 15.60 |
| 28820 | Leverings Standard | Mt. Airy | 2.01 | 2.00 | 3.52 | 3.00 | .75 | ..... | 9.25 | 8.00 | 22.96 | 20.60 |
| 28938 | Mt. Airy Garden & Truck Fert. | Baltimore | 3.28 | 3.00 | 4.46 | 4 00 | 1.22 | ..... | 7.39 | 8.00 | 26.94 | 25.60 |
| 28821 | Peerless Phosphate | Mt. Airy | .89 | 1.00 | 1.78 | 1.50 | .60 | 2.00 | 8 83 | 8 00 | 16.18 | 15.90 |
| 28461 | Peerless Phosphate | SilverSpring(J.B.L) | 1.01 | 1.00 | 2.22 | 1.50 | .80 | 2.00 | 8.65 | 8.00 | 16.96 | 15.90 |
| 28653 | Piedmont Acid Phosphate 14% | Baltimore | ..... | ..... | ..... | ..... | 1.00 | ..... | 15 98 | 14.00 | 14.58 | 12.60 |
| 28700 | Piedmont Acid Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | .37 | ..... | 16.86 | 16.00 | 15.24 | 14.40 |
| 28822 | Piedmont Bone Meal | Mt. Airy | 4.56 | 4.00 | ..... | ..... | *24.07 | *21.00 | ..... | ..... | 32.68 | 28.60 |
| 28920 | Pdmt. Cabbage & Potato Gr. | Baltimore | 2.20 | 2.00 | 9.84 | 10.00 | 1.07 | ..... | 8.43 | 8.00 | 29.19 | 27.60 |
| 28624 | Pdmt. Dissolved Animal Bone | Baltimore | 2.10 | 2.50 | ..... | ..... | 3.05 | ..... | 9 03 | 10.00 | 20.46 | 22.00 |
| 28524 | Piedmont Early Trucker | Baltimore | 5 10 | 5.00 | 5.38 | 5.00 | .55 | ..... | 6.10 | 6.00 | 33 32 | 32.20 |
| 28688 | Pdmt. Economy (Low Grade) | Baltimore | .80 | .25 | 2.38 | 2.00 | .90 | ..... | 7.15 | 10.00 | 14 52 | 15.00 |
| 28701 | Piedmont Farmers Favorite | Baltimore | 89 | 1.00 | 4.24 | 4.00 | .50 | ..... | 8 85 | 8.00 | 18.62 | 17.60 |
| 28571 | Piedmont Fish Guano | Baltimore | 2.12 | 2 00 | 2.34 | 2.00 | .87 | ..... | 8 06 | 8.00 | 20 84 | 19.60 |
| 28509 | Piedmont Gold Rod | Beaver Dam | 6.37 | 7.00 | 5.78 | 5.00 | .80 | ..... | 6.24 | 6.00 | 39.07 | 40.20 |
| 28462 | Piedmont Guano | SilverSpring(J.B.L) | 2.08 | 2.00 | 2.86 | 2.00 | .62 | ..... | 9.20 | 8.00 | 22 47 | 19.60 |
| 28946 | Pdmt. Guano for Tobacco | Baltimore | 2.53 | 2.50 | 3.28 | 3.00 | 1.22 | ..... | 8 54 | 8.00 | 24 14 | 22.60 |
| 28924 | Pdmt. H. G. Amm'd Bone & Pot. | Baltimore | 2.46 | 3.00 | 4.28 | 3.00 | 1.82 | ..... | 8.46 | 8.00 | 25 00 | 24.60 |
| 28890 | Pdmt. Insula Guano (L. Grade) | Vienna | .63 | .50 | 2.54 | 2 00 | .95 | ..... | 6.78 | 7.00 | 13.58 | 12.40 |
| 28839 | Pdmt. Pa. Potato Producer | Hagerstown | 2.03 | 2.00 | 9.70 | 10.00 | .70 | ..... | 6.50 | 5.00 | 25.90 | 24.00 |
| 28605 | Piedmont Perfection Guano | Baltimore | 2.01 | 2.00 | 5.56 | 5 00 | .72 | ..... | 9.11 | 8 00 | 24 82 | 22.60 |
| 28850 | Piedmont Plow Brand | Baltimore | 1.81 | 2.00 | 2.70 | 2.00 | 1 27 | ..... | 8.26 | 8.00 | 20 36 | 19 60 |
| 28874 | Piedmont Potash Mixture 10% | Baltimore | ..... | ..... | 9 52 | 10.00 | .65 | ..... | 10.95 | 10.00 | 19.51 | 19.00 |
| 28654 | Piedmont Potato Producer | Baltimore | 3.03 | 3.00 | 6.84 | 6.00 | .67 | ..... | 6.16 | 5.00 | 26 62 | 24.00 |
| 28929 | Piedmont Raw Bone Mixture | Owings Mills | 1 19 | 1.25 | 2.80 | 2.00 | 4.50 | ..... | 7.85 | 8.00 | 18.78 | 16.60 |
| 28510 | Piedmont Special Potash Mix | Beaver Dam | ..... | ..... | 6.44 | 5.00 | .42 | ..... | 10.02 | 10.00 | 15.54 | 14.00 |
| 28511 | Pdmt. Special Potato Guano | Beaver Dam | 5 89 | 6.00 | 5.92 | 7.00 | .54 | ..... | 7.02 | 6 00 | 38.12 | 38.20 |
| 28506 | Pdmt. Spec. for Tobacco Beds | Baltimore | 6.81 | 7.00 | 3.26 | 2.00 | .60 | ..... | 6.35 | 5.00 | 38 36 | 36.00 |
| 28572 | Pdmt. Special Truck Fert | Baltimore | 7.12 | 7 00 | 5 18 | 5.00 | 1.15 | ..... | 6.15 | 6.00 | 41.50 | 40.20 |
| 28823 | Pdmt. Spec. Wht. & Grass Grower | Mt. Airy | 1 69 | 2.00 | 4 02 | 2 00 | .85 | 1.00 | 8.85 | 8.50 | 21.84 | 20.60 |
| 28824 | Pdmt. Stand. Dissolved B. Phos. | Mt. Airy | 1.16 | 1.00 | 2.34 | 2.00 | .92 | 1.00 | 10.66 | 10.00 | 20.14 | 18 40 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Piedmont-Mt. Airy Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28785 | Piedmont Star Bone & Potash.. | Hurlock..... | ..... | ..... | 5.94 | 5.00 | .50 | ..... | 9 98 | 8.00 | 15.02 | $12 20 |
| 28825 | Piedmont Success (Low Grade). | Mt. Airy ..... | .43 | .25 | 5.48 | 5.00 | .65 | ..... | 9.43 | 9.00 | 18.78 | 16.80 |
| 28826 | Piedmont Wheat Compound..... | Mt. Airy..... | ..... | ..... | 4.54 | 5.00 | .57 | ..... | 12 96 | 12 00 | 16.31 | 15.80 |
| | **Ramsburg Fertilizer Co., Frederick,** | | | | | | | | | | | |
| 28907 | Ammoniated Bone Phosphate... | Frederick ..... | 1.01 | 1.00 | 2.48 | 2.00 | 3.50 | ..... | 10.83 | 10.00 | 20.92 | 18.00 |
| 28757 | Corn & Potato Fertilizer..... | Middletown..... | 1.16 | 1.21 | 4.54 | 4.00 | 1.77 | ..... | 9.18 | 8.00 | 20.91 | 18.44 |
| 28909 | Old Virginia Compound..... | Frederick ..... | 1.22 | 1 21 | 4.64 | 4.00 | 2.05 | ..... | 9 18 | 8.00 | 21.36 | 18.44 |
| 28804 | Queen (Low Grade) ..... | Poolesville..... | .65 | .50 | 1.05 | 1.00 | 4 50 | ..... | 9.80 | 8.00 | 17 21 | 12.60 |
| 28758 | Rock & Potash..... | Middletown..... | ..... | ..... | 3.46 | 5.00 | 3 17 | ..... | 11.43 | 10.00 | 14.38 | 14.00 |
| 28759 | Super-Phosphate..... | Middletown..... | ..... | ..... | ..... | ..... | .50 | ..... | 16.30 | 16.00 | 14.77 | 14.40 |
| | **Rasin-Monumental Co., Balto., Md.** | | | | | | | | | | | |
| 28469 | Kainit ..... | Longwood (H. W.). | ..... | ..... | 11.72 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 28760 | ‡M. & C. Md. Alkaline Phos.... | Woodsboro ..... | ..... | ..... | 2 36 | 2.00 | 1.67 | ..... | 10 11 | 10.00 | 11.79 | 11.00 |
| 28761 | ‡M. & C. Maryland Sun Guano.. | Woodsboro ..... | .94 | 1.00 | 1 30 | 1 00 | 1.52 | ..... | 7.48 | 8.00 | 14.65 | 14.60 |
| 28607 | Monumental Potato Manure.... | Baltimore ..... | 2.25 | 2.00 | 7.50 | 7.00 | 1.00 | ..... | 6 03 | 6.00 | 24.14 | 22.20 |
| 28771 | Rasin's Acid Phosphate ..... | Silver Spring..... | ..... | ..... | ..... | ..... | 1.15 | ..... | 14.20 | 14.00 | 13.01 | 12.60 |
| 28810 | Rasin's Bone & Potash Fert.... | Melrose ..... | ..... | ..... | 2.13 | 2.00 | 1.45 | ..... | 10.05 | 10.00 | 11.47 | 11.00 |
| 28743 | Rasin's Dissolved Bone..... | Baltimore ..... | 2.01 | 2.00 | ..... | ..... | 4.12 | ..... | 9 73 | 10.00 | 21.37 | 20.00 |
| 28953 | Rasin's Early Trucker Special.. | ..... | 4.62 | 5.00 | 5.12 | 5.00 | 1.07 | ..... | 6.20 | 6 00 | 31.47 | 32.20 |
| 28772 | Rasin's Empire Guano..... | Germantown..... | 2.03 | 2.00 | 2.48 | 2.00 | 2.10 | ..... | 8.23 | 8 00 | 21.32 | 19.60 |
| 28702 | Rasin's Genesee Val. Root Man. | Baltimore ..... | 1.09 | 1.00 | 10.02 | 10.00 | 1.92 | ..... | 8.86 | 8.00 | 25.78 | 23.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28713 | Rasin's Gold Standard | Pocomoke City | 3.11 | 3.00 | 6.30 | 6.00 | 1.10 | ..... | 5.43 | 6.00 | $25.70 | $25.20 |
| 28811 | Rasin's Half & Holf Mix (L. Gr) | Melrose | ..... | ..... | 3.24 | 3.00 | .87 | ..... | 6.18 | 6.00 | 8.97 | 8 40 |
| 28672 | Rasin's H. G. Bone & Potash | Baltimore | ..... | ..... | 4.74 | 5.00 | 2 10 | ..... | 12.28 | 12.00 | 16.21 | 15 80 |
| 28853 | Rasin's I. X. L. Fertilizer | Baltimore | 1.02 | 1.00 | 3 08 | 3.00 | 2.07 | ..... | 9.83 | 9.00 | 19.79 | 17.80 |
| 28606 | Rasin's Irish Potato Special | Baltimore | 3.84 | 4.00 | 9 72 | 8.00 | 1 35 | ..... | 7.13 | 7.00 | 34.18 | 32.40 |
| 28762 | Rasin's National Crop Comp | Woodsboro | 1.09 | 1.00 | 4.80 | 4 00 | 1.45 | 1.00 | 8.38 | 8.00 | 19 80 | 18.00 |
| 28786 | Rasin's Nitro Top Dresser | Princess Anne | 9.35 | 10.00 | 4.46 | 4.00 | .75 | ..... | 4.28 | 4 00 | 47.30 | 48.80 |
| 28763 | Rasin's Potato Manure | Woodsboro | 2 05 | 2.00 | 8.38 | 7.00 | 1.35 | ..... | 6.14 | 6.00 | 24.49 | 22.20 |
| 28957 | Rasin's Royal Fish, Bone & Pot. | ..... | 2 02 | 2.00 | 3.36 | 3.00 | 1.92 | ..... | 7.84 | 8.00 | 21.62 | 20.60 |
| 28764 | Rasin's Sol. Alkaline Bone | Woodsboro | ..... | ..... | 3.28 | 3.00 | 1.67 | ..... | 12.18 | 12.00 | 14.57 | 13.80 |
| 28744 | Rasin's Special Bone & Potash | Baltimore | ..... | ..... | 5.26 | 5.00 | 1.27 | ..... | 10.11 | 10 00 | 14 61 | 14 00 |
| 28575 | Rasin's Spec. Fish & Pot. Mix | Girdletree | 2.27 | 2.00 | 3.22 | 3.00 | 1.22 | ..... | 6.49 | 6.00 | 20.58 | 18.20 |
| 28703 | Rasin's Spec. Formula (Low Gr) | Baltimore | ..... | ..... | 3.24 | 3 00 | 1.17 | ..... | 7.36 | 6 00 | 10.09 | 8.40 |
| 28589 | Rasin's Speclal Truck Fert | Baltimore | 5.14 | 5.00 | 8.24 | 8.00 | .97 | ..... | 7.90 | 8.00 | 38 67 | 37.60 |
| 28745 | Rasin's Stand. Tomato Grower | Baltimore | 1.02 | 1.00 | 5.12 | 5.00 | 1.95 | ..... | 7.04 | 7.00 | 18.43 | 17.40 |
| 28958 | Rasin's Truckers Mixture | ..... | 6.57 | 7 00 | 5.44 | 5.00 | 1.67 | ..... | 6.41 | 6.00 | 40.08 | 40.20 |
| 28704 | Rasin's Vegetable Special | Baltimore | 2.08 | 2.00 | 10 16 | 10.00 | 1.17 | ..... | 8 41 | 8.00 | 29.04 | 27 60 |
| 28579 | Rasin's Wht., Corn & O.M. (L.G) | Baltimore | .89 | .50 | 2.58 | 2.00 | 1.32 | ..... | 8.53 | 8.00 | 16.91 | 13.60 |
| 28613 | Rasin's XXX Fertilizer | Baltimore | 2 08 | 2.00 | 5.72 | 5.00 | 1.37 | ..... | 8.28 | 8.00 | 24 53 | 22.60 |
| 28614 | William Penn Crop Grower | Baltimore | 1.04 | 1.00 | 1.32 | 1.00 | 1.60 | ..... | 7.85 | 8.00 | 15.54 | 14.60 |
| | **Reindollar Co., Taneytown, Md.** | | | | | | | | | | | |
| 28812 | Economy Fertilizer | Taneytown | 1.16 | 1.00 | 4.32 | 4.00 | 1.45 | ..... | 9.03 | 8.00 | 20.38 | 17.60 |
| 28813 | Rock & Potash No. 2 | Taneytown | ..... | ..... | 4.84 | 5.00 | 1.17 | ..... | 11.06 | 10.00 | 15.02 | 14.00 |
| | **W. E. Robinson & Co., Bel Air, Md.** | | | | | | | | | | | |
| 28673 | High Grade Tomato Fertilizer | Baltimore | 3.94 | 4.00 | 4.38 | 4.00 | .40 | ..... | 8.33 | 7.00 | 30.30 | 28.40 |
| 28674 | Special Mixture | Baltimore | 2.04 | 2.00 | 5.12 | 5.00 | .80 | .50 | 8.05 | 8.00 | 23.26 | 22.80 |
| 28675 | Vegetable & Grass Fertilizer | Baltimore | 2.12 | 2.00 | 2.40 | 2.00 | .50 | .50 | 8.38 | 8.00 | 21.14 | 19.80 |
| | **F. S. Royster Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28590 | Acid Phosphate 14% | Baltimore | ..... | ..... | ..... | ..... | .45 | ..... | 14 35 | 14.00 | 13.01 | 12.60 |
| 28829 | Ammoniated Potash Compound | Cardiff | 1.14 | 1.00 | 7.12 | 7.00 | .95 | ..... | 9.08 | 9.00 | 22 96 | 21.80 |
| 28500 | Arrow Potato Guano | Baltimore | 7.02 | 7.00 | 5 62 | 5.00 | .75 | .50 | 7.02 | 6.00 | 42.42 | 40.40 |
| 28549 | Bonanza Potato & Truck Guano | Baltimore | 3.04 | 3.00 | 6.52 | 6.00 | 1.32 | ..... | 6 41 | 6.00 | 26 90 | 25.20 |
| 28599 | Bumper Crop Phosphate | Baltimore | ..... | ..... | 5.56 | 5.00 | .42 | ..... | 9.18 | 8.00 | 13.90 | 12.20 |
| 28830 | Champion Crop Compound | Bel Air | 2.25 | 2 00 | 3.90 | 4.00 | .90 | ..... | 8.68 | 8.00 | 23.68 | 21 60 |
| 28831 | Dooley's Spec. All Crop Mix | Cardiff‡ | 1 13 | 1.00 | 5.05 | 5.00 | 1.52 | ..... | 8.41 | 8.00 | 20.27 | 18.60 |
| 28750 | General Crop Fertilizer | Baltimore | 1.01 | 1.00 | 6.58 | 5.00 | .90 | ..... | 8.75 | 8 00 | 20.48 | 18.60 |
| 28535 | Gold Seal Potato & Cabbage Spec | Baltimore | 2 03 | 2.00 | 10.48 | 10.00 | 1.43 | ..... | 8 17 | 8.00 | 28.97 | 27.60 |

‡Miller & Cramer, Woodsboro, Md.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **F. S. Royster Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28540 | Harvest King Fertilizer | Baltimore | 2.12 | 2.00 | 2.46 | 2.00 | 1.30 | ..... | 8.46 | 8.00 | $21.61 | $19.60 |
| 28501 | High Grade Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .37 | ..... | 16.73 | 16.00 | 15 13 | 14.40 |
| 28655 | Imperial Formula | Baltimore | 1.04 | 1.00 | 3 62 | 4.00 | 1.25 | ..... | 8.05 | 8.00 | 17.94 | 17.60 |
| 28896 | Maloney's Spec. Wht. & Gr. Mix. | Ellicott City | 2.10 | 2 00 | 5.92 | 5.00 | 1.00 | .50 | 19 50 | 9.00 | 26.12 | 24.00 |
| 28591 | Peerless Grain & Grass Grower | Baltimore | ..... | ..... | 2.28 | 2.00 | .70 | ..... | 10.52 | 10.00 | 11 89 | 11.00 |
| 28939 | Plow Brand Crop Grower | ..... | 1.02 | 1.00 | 2.38 | 1.00 | 1.50 | ..... | 8.06 | 8.00 | 16.73 | 14.60 |
| 28889 | Potasso Phosphate | Baltimore | ..... | ..... | 3.48 | 3.00 | .77 | ..... | 12.58 | 12 00 | 14.95 | 13.80 |
| 28642 | Prolific Potato Producer | Baltimore | 1.64 | 1.50 | 5.36 | 5.00 | 1.05 | .50 | 6.65 | 6.00 | 20.32 | 18.40 |
| 28727 | Pure Raw Bone Meal | Baltimore | 4.68 | 4.50 | ..... | ..... | *21.98 | *21.50 | ..... | ..... | 31.91 | 30.90 |
| 28525 | Royal Potato Guano | Baltimore | 4.85 | 5.00 | 5.46 | 5.00 | .95 | .50 | 7.59 | 7.00 | 34 35 | 33.60 |
| 28805 | Seeding Down Special Fertilizer | Rockville | 1.01 | 1.00 | 3.82 | 3.00 | .85 | ..... | 9 03 | 9 00 | 19.04 | 17.80 |
| 28550 | Special Corn & Tomato Guano | Baltimore | 2.10 | 2.00 | 6.34 | 5.00 | 1.10 | ..... | 7.02 | 7.00 | 23.60 | 21.40 |
| 28600 | Superior Potash Mixture | Baltimore | ..... | ..... | 5.48 | 5.00 | .60 | ..... | 12 50 | 12.00 | 16 85 | 15.80 |
| 28951 | Universal Truck Fertilizer | ..... | 3.60 | 4.00 | 6.64 | 7.00 | .80 | ..... | 8.78 | 8.00 | 31.90 | 32.60 |
| 28705 | Wheat, Oats & Barley Fertilizer | Baltimore | 1.50 | 1.00 | 2.68 | 2.00 | 1.40 | ..... | 8.02 | 8.00 | 18.86 | 15.60 |
| | **Scott Fertilizer Co., Elkton, Md.** | | | | | | | | | | | |
| 28776 | Corn & Oats Grower (Low Grade | Sudlersville | .52 | .50 | 2.72 | 2.00 | 1.45 | ..... | 7.43 | 8.00 | 14.30 | 13.60 |
| 28961 | Potato Grower | ..... | 2.39 | 2.00 | 10.26 | 10.00 | 1.20 | ..... | 8.41 | 8.00 | 30.39 | 27.60 |
| 28777 | Potato & Truck Special | Sudlersville | 2.12 | 2.00 | 5.76 | 5.00 | 1 00 | ..... | 8.88 | 8.00 | 25 30 | 22.60 |
| 28832 | Pure Bone Meal | Aberdeen | 4.59 | 4.00 | ..... | ..... | *21.75 | *21.50 | ..... | ..... | 31.41 | 28 90 |
| 28778 | Soluble Phos. & Potash 12 & 5 | Sudlersville | ..... | ..... | 5.36 | 5.00 | 1 85 | ..... | 11.78 | 12.00 | 16 23 | 15.80 |
| 28779 | Standard Phosphate | Sudlersville | 1.11 | 1.00 | 5.02 | 4.00 | 1.07 | ..... | 8.37 | 8.00 | 19.93 | 17.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28914 | Sure Crop Grower | Childs | *1.55 | 2.00 | 5.42 | 5.00 | 1.20 | ..... | 9.60 | 8.00 | $23.62 | $22.60 |
| 28835 | Sure Growth Super-Phosphate | Port Deposit | 2.05 | 2.00 | 3.88 | 3.00 | 2.27 | 2.00 | 8.03 | 8.00 | 22.63 | 21 40 |
| 28802 | Tip Top Soluble Phosphate | Rising Sun | ..... | ..... | ..... | ..... | 1.15 | ..... | 15.50 | 14.00 | 14.18 | 12.60 |
| | **Standard Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28632 | Champion Potato Grower | Baltimore | 4.85 | 4.00 | 9.38 | 10.00 | .82 | ..... | 8.30 | 8.00 | 39.07 | 35.60 |
| 28728 | Extra H. G. Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .40 | ..... | 16.75 | 16.00 | 15.16 | 14.40 |
| 28915 | Fish & Potash Guano | Childs | 1.04 | 1.00 | 3.30 | 2.00 | 1.07 | 1.00 | 9.83 | 9.00 | 19.69 | 17.20 |
| 28891 | Great Grain Grower | Lloyds | .96 | 1.00 | 4.20 | 4.00 | 1.12 | ..... | 8.53 | 8.00 | 18.73 | 17.60 |
| 28884 | High Grade Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | 1 32 | ..... | 15.96 | 14.00 | 14.62 | 12.60 |
| 28885 | Ideal Guano | Baltimore | 1.57 | 2 00 | 4.58 | 4.00 | .67 | 1.00 | 9.08 | 9.00 | 22 03 | 23.20 |
| 28897 | Keystone Brand | Ellicott City | 1.31 | 1.00 | 1 04 | 1.00 | 1.67 | 1.25 | 8 01 | 9.00 | 16.56 | 16.30 |
| 28898 | Mammoth Potato Grower | Ellicott City | 2.02 | 2.00 | 10.05 | 10.00 | .95 | 1.00 | 8 20 | 8.00 | 28 35 | 28.00 |
| 28916 | Old Fertility | Childs | 2.06 | 2.00 | 3.16 | 3.00 | 1.57 | ..... | 8.31 | 8.00 | 22.00 | 20.60 |
| 28917 | Star Wheat Grower | Childs | 1.79 | 2.00 | 1 84 | 2.00 | 1.12 | 1 00 | 9.68 | 8.00 | 21.07 | 20.00 |
| 28787 | Truckers Joy | Federalsburg | 2.02 | 2.00 | 4.40 | 4 00 | 1.05 | ..... | 7.33 | 7.00 | 21 70 | 20.40 |
| 28788 | Vegetable Manure | Federalsburg | 3.70 | 4.00 | 4.80 | 4.00 | 1 02 | ..... | 6.21 | 6.00 | 27.46 | 27.20 |
| | **Wm. H. Streett & Co., Fallston, Md.** | | | | | | | | | | | |
| 28833 | Ammoniated Dissolved Bone | Fallston | 1.54 | 1.50 | 2.34 | 2.00 | .72 | ..... | 8.91 | 9 00 | 19.48 | 18.80 |
| 28668 | H. G. Bone Phosphate | Baltimore | 2.90 | 2.50 | 3.64 | 3.00 | .42 | .50 | 8.28 | 8.00 | 25.35 | 22.80 |
| | **Superior Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28526 | M. B. W. Acid Phosphate 14% | Baltimore | ..... | ..... | ..... | ..... | 1.20 | ..... | 15.25 | 14.00 | 13.97 | 12.60 |
| 28619 | M. B. W. Acid Phosphate 16% | Baltimore | ..... | ..... | ..... | ..... | .45 | ..... | 16.75 | 16.00 | 15.17 | 14.40 |
| 28851 | M. B. W. All Soluble | Baltimore | 2.27 | 3.00 | 4.18 | 4.00 | 1.17 | ..... | 8.66 | 8.00 | 24.12 | 25.60 |
| 28522 | M. B. W. Big Crop Grower | Baltimore | 2.02 | 2 00 | 3.50 | 2.00 | 1.98 | ..... | 6 85 | 8.00 | 20.59 | 19.60 |
| 28620 | M. B. W. Bone Meal | Baltimore | 3.38 | 3.00 | ..... | ..... | *24.90 | *22.00 | ..... | ..... | 28.46 | 25.20 |
| 28609 | M. B. W. Bone, Blood & Pot | Baltimore | 5 02 | 5.00 | 7.10 | 7.00 | .87 | ..... | 7.32 | 8.00 | 36.31 | 36.60 |
| 28695 | M. B. W. Cereal Grower(L. Gr.) | Baltimore | .53 | .50 | 2.54 | 2 00 | 1.70 | ..... | 8.05 | 8.00 | 15 00 | 13.60 |
| 28665 | M. B. W. Fruit Special | Baltimore | 2.05 | 2.00 | 5.48 | 5.00 | .72 | ..... | 7.88 | 8 00 | 23.43 | 22.60 |
| 28507 | M. B. W. Fruit & Truck | Baltimore | 4.56 | 5 00 | 5.72 | 5.00 | .95 | ..... | 7.42 | 7.00 | 33.24 | 33.40 |
| 28552 | M. B. W. Grain & Tomato Gro | Baltimore | .82 | 1.00 | 4.55 | 5.00 | .87 | ..... | 7.48 | 7.00 | 17.16 | 17.40 |
| 28836 | M. B. W. High Grade Potato | Elkton | 3.26 | 4.00 | 9.30 | 10.00 | 1.05 | ..... | 8 25 | 8.00 | 32.66 | 35 60 |
| 28514 | M. B. W. Phosphate & Potash | Baltimore | ..... | ..... | 5 02 | 5 00 | .35 | ..... | 10.52 | 10.00 | 14.56 | 14 00 |
| 28696 | M. B. W. Phosphate & Potash | Baltimore | ..... | ..... | 4.54 | 5.00 | .35 | ..... | 13.28 | 12.00 | 16.56 | 15.80 |
| 28615 | M. B. W. Potato Special | Baltimore | 2.15 | 2 00 | 10.10 | 10.00 | .57 | ..... | 8.11 | 8.00 | 28.66 | 27.60 |
| 28456 | M. B. W. Potato Special | Ford (G. E. C.) | 1 71 | 2 00 | 10.24 | 10.00 | .57 | ..... | 8 72 | 8.00 | 27.77 | 27.60 |
| 28875 | M. B. W Royal Grower Crop | Baltimore | 1.26 | 1.00 | 4.76 | 4.00 | .85 | ..... | 8 53 | 8 00 | 20.38 | 17.60 |
| 28544 | M. B. W. Spec. C. & G. (L. Gr.) | Baltimore | ..... | ..... | 3 18 | 3.00 | .40 | ..... | 6.20 | 6.00 | 8.84 | 8.40 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Superior Guano Co., Balto., Md.** | | | | | | | | | | | |
| 28452 | ‡M B. W. Sp. Corn & Grass (L. G.) | New Bridge (D. & S.) | ..... | ..... | 3.52 | 3.00 | .35 | ..... | 7.04 | 6.00 | $ 9 93 | $ 8.40 |
| 28451 | M. B. W. Special Mixture..... | New Bridge) D. & S.) | 4.10 | 4.00 | 8.92 | 10.00 | .60 | ..... | 7.72 | 8.00 | 34.82 | 35.60 |
| 28781 | M. B. W. Special Mixture..... | Centerville. ..... | 2.37 | 2.00 | 7.84 | 8.00 | .55 | ..... | 8.23 | 8.00 | 27.42 | 25.60 |
| 28621 | M. B.W. Stevens Asparagus Mix | Baltimore ..... | 1.13 | 1.00 | 5.02 | 5.00 | .75 | ..... | 8.08 | 7.00 | 19.54 | 17.40 |
| 28523 | M. B. W. 7% Trucker..... | Baltimore..... | 5.65 | 7.00 | 5.03 | 5.00 | .90 | ..... | 6.11 | 6.00 | 35.32 | 40.20 |
| | **Swift & Co., Balto., Md.** | | | | | | | | | | | |
| 28747 | Corn & Wheat Grower..... | Baltimore ..... | .82 | 1.00 | 4.16 | 4 00 | .55 | ..... | 7.55 | 8 00 | 16.72 | 17.60 |
| 28689 | Diamond "B" Fertilizer..... | Baltimore..... | 2 88 | 3.00 | 5.36 | 5.00 | 1 22 | ..... | 7.36 | 8.00 | 26.20 | 26.60 |
| 28879 | Diamond "C" Fertilizer..... | Baltimore ..... | 2.01 | 2.00 | 5.10 | 4.00 | .97 | ..... | 8.43 | 8.00 | 23.65 | 21.60 |
| 28933 | Diamond "E" Fertilizer..... | Baltimore ..... | 3.86 | 4 00 | 6 66 | 7.00 | 1.45 | ..... | 8 38 | 8.00 | 32.74 | 32.60 |
| 28789 | Excelsior Truck & Vegetable... | Vienna..... | 6 48 | 7.00 | 5.22 | 5.00 | 1.10 | ..... | 6 03 | 6.00 | 38.82 | 40.20 |
| 28553 | Excelsior Truck & Veg. Manure | Pocomoke City..... | 7.08 | 7.00 | 4.40 | 5.00 | .85 | ..... | 5.27 | 6.00 | 39.38 | 40.20 |
| 28864 | Favorite Phosphate & Potash... | Baltimore ..... | ..... | ..... | 4 70 | 5.00 | 1.02 | ..... | 11.11 | 10 00 | 14.90 | 14.00 |
| 28893 | Fish, Bone & Potash ..... | Baltimore ..... | 1.45 | 1.25 | 4.34 | 4.00 | 1.17 | ..... | 7.81 | 7.00 | 19.98 | 17.40 |
| 28854 | Garden City Acid Phosphate.... | Baltimore ..... | ..... | ..... | ..... | ..... | .52 | ..... | 14.68 | 14.00 | 13 31 | 12.60 |
| 28697 | Golden Grain Grower..... | Baltimore ..... | 1.64 | 2 00 | 4.58 | 5.00 | .77 | ..... | 9.46 | 8.00 | 22.80 | 22.60 |
| 28729 | H. G. Potato Manure..... | Baltimore ..... | 3.11 | 4.00 | 7.42 | 10 00 | .87 | ..... | 8.33 | 8.00 | 30.21 | 35.60 |
| 28865 | H. G. Phosphate & Potash..... | Baltimore ..... | ..... | ..... | 3.02 | 4.00 | .65 | ..... | 10.98 | 10.00 | 13.03 | 13.00 |
| 28608 | Monarch Phosphate..... | Baltimore ..... | 2.88 | 3.00 | 6 05 | 6.00 | .37 | ..... | 6.93 | 6.00 | 26 04 | 25.20 |
| 28698 | Plantation Phos. & Potash..... | Baltimore ..... | ..... | ..... | 5.04 | 5.00 | .55 | ..... | 8 58 | 8.00 | 12.87 | 12.20 |
| 28878 | Prolific Guano (Low Grade).... | Baltimore ..... | .73 | .50 | 2.48 | 2.00 | .77 | ..... | 8.66 | 8.00 | 16.10 | 13.60 |
| 28554 | Pure Early Truck..... | Pocomoke City..... | 5.29 | 5.00 | 4.32 | 5.00 | .77 | ..... | 5.51 | 7.00 | 32.40 | 33.40 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28555 | Pure Red Steer | Rehobeth | 1.81 | 2.00 | 1.94 | 2.00 | .72 | ..... | 8.65 | 8.00 | $19.85 | $19.60 |
| 28748 | Royal Guano | Baltimore | 2.17 | 2.00 | 4.88 | 5.00 | .60 | ..... | 6.67 | 7.00 | 21.80 | 21.40 |
| 28633 | Special Formula | Baltimore | 4.71 | 5.00 | 6.88 | 7.00 | .42 | ..... | 6.06 | 6.00 | 33.16 | 34.20 |
| 28680 | Special H. G. Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .72 | ..... | 16.16 | 16.00 | 14.68 | 14.40 |
| 28588 | Special Phosphate & Potash | Baltimore | ..... | ..... | 1.80 | 2.00 | .82 | ..... | 9.76 | 10.00 | 10.74 | 11.00 |
| 28699 | Spec. H. G. Phosphate & Pot | Baltimore | ..... | ..... | 4.68 | 5.00 | 1.07 | ..... | 12.06 | 12.00 | 15.74 | 15.80 |
| 28622 | Special Potato Fertilizer | Baltimore | 2.13 | 2.00 | 10.16 | 10.00 | .50 | ..... | 8.28 | 8.00 | 28 82 | 27.60 |
| | **H. S. Taveau & Co., Balto., Md.** | | | | | | | | | | | |
| 28656 | Allerton Guano | Baltimore | 1.96 | 2.00 | 3.08 | 2 50 | 1.12 | ..... | 9.18 | 9.00 | 22.39 | 21.30 |
| 28949 | Dissolved S. C. Bone | ..... | ..... | ..... | ..... | ..... | .58 | ..... | 15.63 | 14.00 | 14:19 | 12.60 |
| 28749 | Fine Ground Bone | Baltimore | 2.78 | 3 00 | ..... | ..... | *14 43 | *13.73 | ..... | ..... | 19.78 | 20.24 |
| 28876 | Florida Phosphate | Baltimore | ..... | ..... | ..... | ..... | .60 | ..... | 14.80 | 14.00 | 13 44 | 12.60 |
| 28943 | Pride of Maryland | Baltimore | 1 11 | 1.00 | 2.52 | 2.50 | .77 | ..... | 9.46 | 10.00 | 18.62 | 18.50 |
| 28869 | Pride of Virginia | Baltimore | ..... | ..... | 3.74 | 3.00 | 1 30 | ..... | 11.13 | 12.00 | 14.02 | 13.80 |
| 28751 | Special Compound | Baltimore | ..... | ..... | 5.40 | 5.00 | 1.00 | ..... | 11.98 | 10.00 | 16.38 | 14.00 |
| 28593 | Strawberry Top Dressing | Baltimore | 5 75 | 5.00 | 2.66 | 2.50 | .37 | ..... | 5.83 | 4 00 | 32 81 | 27 30 |
| 28657 | Wonder Pot. & Tomato Manure | Baltimore | 1.95 | 2.00 | 7.26 | 6.00 | .80 | ..... | 10.30 | 10.00 | 27.74 | 26.00 |
| | **Thomas & Co., Frederick, Md.** | | | | | | | | | | | |
| 28773 | Crop Grower | Gaithersburg | .58 | 1.00 | 1.64 | 1 00 | .67 | ..... | 8.96 | 8.00 | 14.98 | 14.60 |
| | **I. P. Thomas & Son Co., Philadelphia, Pa.** | | | | | | | | | | | |
| 28790 | Champion Phosphate | Delmar | 2.34 | 2.00 | 4.38 | 4.00 | .75 | ..... | 7.67 | 8.00 | 23.24 | 21 60 |
| 28925 | Fish Guano | Annapolis | 2.37 | 2.00 | 2.62 | 2.00 | .75 | ..... | 9.85 | 9.50 | 24.22 | 21.40 |
| 28927 | Potato Manure | Annapolis | 3.16 | 3.00 | 6.38 | 6.00 | 1.72 | ..... | 8 00 | 9.00 | 29.31 | 28.80 |
| 28791 | Special Alkaline Fertilizer | Delmar | ..... | ..... | 3 88 | 4.00 | .55 | ..... | 10.70 | 10.00 | 13 62 | 13.00 |
| 28928 | Tip Top Super-Phosphate | Annapolis | 3.02 | 3.00 | 4 44 | 4.00 | 1.00 | ..... | 7 75 | 8.00 | 26 22 | 25.60 |
| 28792 | Truckers H. G. Guano | Delmar | 3.79 | 4.00 | 7.12 | 7.00 | .70 | ..... | 7.27 | 7.00 | 31.28 | 31.40 |
| | **Wm. B. Tilghman Co., Salisbury, Md.** | | | | | | | | | | | |
| 28556 | Fish, Bone & Potash | Salisbury | 1.33 | 1.00 | 2.48 | 2.00 | .82 | ..... | 10 34 | 10 00 | 20.54 | 18.00 |
| 28557 | H. G. Early Truck Guano | Salisbury | 5 49 | 5.00 | 5 54 | 5.00 | .70 | ..... | 5 87 | 7 00 | 34.82 | 33.40 |
| 28714 | H. G. Potash Mixture | Salisbury | 2.32 | 2.00 | 9 16 | 10.00 | .77 | ..... | 6.40 | 8.00 | 26.43 | 27.60 |
| 28715 | H. G. Potato Fertilizer | Salisbury | 2.83 | 3.00 | 6.74 | 6.00 | .67 | ..... | 7.33 | 6.00 | 27 13 | 25.20 |
| 28558 | Mixture "B" | Salisbury | 4.23 | 4.00 | 4.50 | 4.00 | 1.37 | ..... | 6.06 | 7.00 | 29.24 | 28 40 |
| 28716 | Special Mixture (Low Grade) | Salisbury | .46 | .33 | 2.28 | 2.00 | .17 | ..... | 11.75 | 12 00 | 18.29 | 17.72 |
| 28892 | Spec. Fish for Sweet Potatoes | Riverton | 2.22 | 2.00 | 5.38 | 5.00 | 1.42 | ..... | 7.43 | 7.00 | 23.75 | 21 40 |
| 28559 | Standard Fish Mixture | Salisbury | 2.01 | 2.00 | 3.08 | 2.00 | 1.05 | ..... | 6 70 | 8.00 | 19.58 | 19.60 |
| 28919 | Standard Tomato Mixture | Princess Anne | 2.20 | 2.00 | 4.40 | 4.00 | 1.47 | ..... | 7.91 | 8.00 | 23.28 | 21 60 |
| 28560 | Staton's Strawberry Special | Salsibury | 5.20 | 5.00 | 7.10 | 7.50 | .32 | ..... | 7 24 | 6.00 | 36.72 | 34.70 |

*Total Phosphoric Acid. ‡Guaranteed 50% Carbonate of Lime, Found 30%.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Turner & Son, Betterton, Md.** | | | | | | | | | | | |
| 28658 | XX Tomato, Potato & T'k Fert. | Baltimore | 1.95 | 2.00 | 5 72 | 5 00 | .97 | ..... | 8.01 | 7.00 | $23 52 | $21.40 |
| | **Tuscarora Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28904 | Acid Phosphate | Baltimore | ..... | ..... | ..... | ..... | .47 | ..... | 14.06 | 14.00 | 12.74 | 12 60 |
| 28868 | Alkaline | Baltimore | ..... | ..... | 5 03 | 5 00 | .42 | ..... | 10.46 | 10 00 | 14 52 | 14.00 |
| 28793 | Basic Slag | Hurlock | ..... | ..... | ..... | ..... | .40 | ..... | a16.45 | a17.00 | ..... | ..... |
| 28670 | Big 4 (Four) | Baltimore | 2 03 | 2.00 | 4 18 | 4.00 | 1.25 | ..... | 7.33 | 7.00 | 21.60 | 20 40 |
| 28706 | Phosphate & Potash | Baltimore | ..... | ..... | 4 38 | 5.00 | .67 | ..... | 12 06 | 12.00 | 15.36 | 15 80 |
| 28730 | Special Mixture | Baltimore | 1.59 | 2.00 | 4 42 | 4 00 | .65 | ..... | 7.83 | 8.00 | 20.44 | 21.60 |
| 28717 | Trucker | Tyaskin | 4 59 | 5 00 | 7 02 | 7.00 | 2.02 | ..... | 7.45 | 8.00 | 35 13 | 36.60 |
| 28872 | York State Special | Baltimore | 1 03 | 1.00 | 4.08 | 4.00 | .85 | ..... | 8 43 | 8.00 | 18.66 | 17.60 |
| | **J. E. Tygert Co., Philadelphia, Pa.** | | | | | | | | | | | |
| 28880 | Tomato Fertilizer | Baltimore | 2.17 | 2.00 | 4 84 | 5.00 | 1.00 | ..... | 8.73 | 7.00 | 24.40 | 21.40 |
| | **J. Tyson & Son, Frederick, Md.** | | | | | | | | | | | |
| 28765 | Corn & Potato Fertilizer | Middletown | 1 23 | 1.00 | 4 04 | 4.00 | .90 | ..... | 8.20 | 8.00 | 19.16 | 17.60 |
| | **United States Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28806 | Farm Bell Acid Phosphate | Simpsonville | ..... | ..... | ..... | ..... | .60 | 1.00 | 16.01 | 16.00 | 14.53 | 14.60 |
| 28766 | Farm Bell Alkaline Mixture | Cumberland | ..... | ..... | 2.92 | 2 00 | .30 | 1 00 | 10.33 | 10.00 | 12.28 | 11.20 |
| 28574 | Farm Bell Animal Ammoniated | Baltimore | 2.15 | 2.00 | 5.14 | 5.00 | 1.27 | 1.00 | 8.01 | 8.00 | 23.86 | 23.00 |
| 28541 | Farm Bell Blood Bone & Potash | Baltimore | 4.83 | 5.00 | 7.54 | 7.00 | 1.47 | 1.00 | 8.44 | 8.00 | 37.58 | 37.00 |
| 28900 | Farm Bell Crop Grower | Baltimore | 2.20 | 2.50 | 4.54 | 3.00 | .90 | 1.00 | 8.02 | 8.00 | 23.32 | 23.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28945 | Farm Bell Crop Producer | Cumberland | 1.25 | 1.00 | 1.40 | 1.00 | .60 | 1.00 | 9.12 | 8 00 | $17.58 | $15.00 |
| 28457 | Farm Bell Fruit & Potato Guano | Fork (G.E.C.) | 2.02 | 2.00 | 10.20 | 10.00 | 1.17 | 1.00 | 9.32 | 8.00 | 29.93 | 28.00 |
| 28690 | Farm Bell Grain Grower (L.Gr.) | Baltimore | .80 | .50 | 2.30 | 2.00 | .82 | 1.00 | 8.36 | 8.00 | 15.86 | 14.00 |
| 28458 | Farm Bell Lighting Topper | Fork (G.E.C.) | 8.89 | 10.00 | 3 62 | 3.00 | 1.57 | 1.00 | 5.46 | 4.00 | 46.36 | 48.20 |
| 28767 | Farm Bell Pennant Winner | Cumberland | 1.14 | 1.00 | 4.70 | 4.00 | .60 | 1.00 | 9.06 | 8.00 | 20 37 | 18.00 |
| 28625 | Farm Bell Phospho Potasso | Baltimore | | | 5.18 | 5.00 | .32 | 1.00 | 12.37 | 12.00 | 16 37 | 16.00 |
| 28768 | Farm Bell Phosphate & Potash | Hancock | | | 5.64 | 5 00 | .47 | | 9 46 | 8.00 | 14.24 | 12.20 |
| 28691 | Farm Bell Phosphate & Potash | Baltimore | 5.02 | 5 00 | 8.16 | 7.00 | 1.05 | 1.00 | 8.25 | 8.00 | 38.56 | 37.00 |
| 28616 | Farm Bell Potato & Tob. Grower | Baltimore | 2 92 | 3.00 | 9.92 | 10.00 | 1.35 | 1 00 | 7.90 | 7.00 | 31.62 | 30.80 |
| 28886 | Farm Bell Special Mixture | Baltimore | | | 5.66 | 4.00 | .60 | 1.00 | 8.26 | 10.00 | 13·21 | 13 20 |
| 28719 | Farm Bell Standard Guano | Fruitland | 2.17 | 2 00 | 2 48 | 2.00 | 1.10 | | 8 10 | 8.00 | 21.32 | 19 60 |
| 28731 | Farm Bell Ten & Five Mixture | Baltimore | | | 5.16 | 5.00 | .32 | 1.00 | 10.68 | 10.00 | 14.83 | 14.20 |
| 28530 | Farm Bell Top Dresser | Baltimore | 8.05 | 8.00 | 2.88 | 2.00 | 1.80 | 1.00 | 5.08 | 4.00 | 41.90 | 39.20 |
| 28626 | Farm Bell Truckers Favorite | Baltimore | 3.81 | 4.00 | 8.42 | 8.00 | 1.12 | 1.00 | 6.78 | 6.00 | 32.25 | 31 60 |
| 28531 | Farm Bell Trucker 7% | Baltimore | 7.01 | 7 00 | 5.92 | 5.00 | 1.68 | 1.00 | 6 52 | 6.00 | 42.45 | 40.60 |
| 28692 | Farm Bell Wht, Oat & Corn Sp. | Baltimore | 1.16 | 1.00 | 6.06 | 6.00 | 1.30 | 1.00 | 8.30 | 8.00 | 21.18 | 20.00 |
| | **E. S. Valliant & Son, Church Hill, Md.** | | | | | | | | | | | |
| 28937 | Acid Phosphate | Baltimore | | | | | .87 | .50 | 13.53 | 14.00 | 12.35 | 12.70 |
| 28859 | Amm'd Potash Mix. (L. Grade) | Baltimore | .29 | .25 | 1.96 | 2 00 | .95 | | 11.02 | 10.00 | 16.72 | 15.00 |
| 28567 | Favorite Brand | Baltimore | 2.05 | 2 00 | 5.06 | 5.00 | .75 | | 8.45 | 8.00 | 23 70 | 22.60 |
| 28594 | Grain Grower (Low Grade) | Baltimore | .72 | .50 | 2.10 | 2.00 | .57 | 1.00 | 8.68 | 8.00 | 15 63 | 14.00 |
| 28755 | Ideal Fertilizer | Baltimore | 1.01 | 1.00 | 2.63 | 2.00 | .55 | | [a]9.58 | 9.00 | 18.44 | 16.80 |
| 28568 | Special Tomato Mixture | Baltimore | 1.14 | 1.00 | 5.16 | 5.00 | 1.00 | | 8.18 | 8 00 | 19.94 | 18.60 |
| 28564 | Spring Guano | Baltimore | 3.96 | 4.00 | 5.80 | 6.00 | .55 | | 7.87 | 7.00 | 31.30 | 30.40 |
| 28569 | Standard Fertilizer | Baltimore | 1 08 | 1.00 | 4 48 | 4.00 | .77 | | 9 58 | 9.00 | 20.61 | 18.80 |
| 28676 | 2-8-10 | Baltimore | 1.91 | 2.00 | 10.28 | 10.00 | .37 | | 8.28 | 8 00 | 28.01 | 27.60 |
| | **Virginia-Carolina Chemical Co., Richmond, Va.** | | | | | | | | | | | |
| 28681 | Acid Phosphate 14% | Baltimore | | | | | 1.37 | | 14.81 | 14.00 | 13.60 | 12.60 |
| 28677 | Corn & Buckwht. Sp. (L. Gr.) | Baltimore | | | 3.08 | 3.00 | .92 | | 6.43 | 6.00 | 9 05 | 8.40 |
| 28855 | Fish, Bone & Potash | Baltimore | 1.86 | 2 00 | 3.06 | 3.00 | 1.70 | | 8.38 | 8.00 | 21.24 | 20.60 |
| 28910 | National Ammoniated Guano | Emmitsburg | 1.18 | 1.00 | 5.76 | 4.00 | 2.45 | | 8 08 | 8.00 | 21.16 | 17.60 |
| 28769 | Peerless Bone & Potash | Hancock | | | 2.40 | 2 00 | 1.00 | | 8.02 | 8 00 | 9.82 | 9.20 |
| 28952 | Prize Potato Manure | Hancock | 2.05 | 2.00 | 6.62 | 6.00 | 1 07 | | 6 33 | 6.00 | 22.85 | 21.20 |
| 28840 | Special Potash Mixture | Ladiesburg | | | 5.48 | 5.00 | 1.42 | | 8 46 | 8.00 | 13.37 | 12 20 |
| 28770 | Special Potash Mixture | Hancock | | | 5.42 | 5 00 | 1.25 | | 8.02 | 8.00 | 12.89 | 12 20 |
| 28841 | Standard Bone & Potash | Ladiesburg | | | 2.06 | 2 00 | 1.70 | | 10.03 | 10.00 | 11.43 | 11.00 |
| 28860 | Standard Tomato Grower | Baltimore | 1.18 | 1.00 | 5.05 | 5.00 | 1.80 | | 7.73 | 7.00 | 19.77 | 17.40 |

a. Wagner's Method.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **S. L. Webster & Son, Cambridge** | **Md.** | | | | | | | | | | |
| 28794 | Ammoniated Bone Fert. No. 1.. | Vienna..... | 1.88 | 2.50 | 5 46 | 3.00 | .47 | ..... | 11 43 | 9.00 | $26 89 | $23.80 |
| 28795 | Ammoniated Bone Fert. No. 2.. | Cambridge ..... | 1.72 | 2.00 | 4.32 | 3.00 | 1.65 | ..... | 7.90 | 7.00 | 21.34 | 19.40 |
| 28796 | Farmers Ever Ready B'ne & Pot. | Vienna..... | ..... | ..... | 6.28 | 5.00 | 1.40 | ..... | 12.03 | 12.00 | 17.39 | 15.80 |
| 28797 | Farmers Wonder..... | Cambridge ..... | ..... | ..... | 2.20 | 2 00 | 1.22 | ..... | 11.31 | 10.00 | 12.62 | 11.00 |
| 28798 | Fish Mixture..... | Cambridge ..... | 1.57 | 1.50 | 2.42 | 2.00 | 1.40 | ..... | 9.75 | 8.00 | 20 96 | 17.60 |
| 28799 | Old Dorset..... | Cambridge ..... | .80 | 1.00 | 3.36 | 4.00 | 1.25 | ..... | 9.02 | 8.00 | 17.88 | 17.60 |
| | **Westminster Fertilizer Co., Westminster, Md.** | | | | | | | | | | | |
| 28814 | Governor..... | Westminster ..... | 1.86 | 1.00 | 3 22 | 2.50 | 1.32 | ..... | 9.41 | 9.00 | 22 48 | 17.30 |
| 28815 | Leader..... | Westminster..... | 1.02 | 1.00 | 2.32 | 1.50 | .82 | ..... | 8.51 | 8.00 | 16 94 | 15.10 |
| 28816 | Super-A-(Low Grade)..... | Tyrone... ..... | 1.01 | 1.00 | 1.62 | 1.00 | .82 | ..... | 9.03 | 8.00 | 16.83 | 14.60 |
| | **J. C. White & Co., Salisbury, Md.** | | | | | | | | | | | |
| 28931 | Tomato Special..... | Baltimore ..... | 1.89 | 2.00 | 2.02 | 2 00 | .85 | ..... | 9.10 | 8.00 | 20.84 | 19.60 |
| | **F. M. Wilson & Co., Pocomoke City, Md.** | | | | | | | | | | | |
| 28576 | Favorite Truck Fertilizer..... | Pocomoke City ..... | 3.50 | 3.00 | 8 08 | 7 00 | 1.42 | ..... | 8.14 | 8.00 | 32.42 | 28.60 |
| 28800 | Peninsula Super-Phosphate..... | Pocomoke City..... | 1 52 | 1.50 | 2.62 | 2 00 | 1.02 | ..... | 11.48 | 10.00 | 22.89 | 20.00 |
| | **H. W. Whistler, Bel Air, Md.** | | | | | | | | | | | |
| 28756 | Crop Grower..... | Baltimore..... | 1.60 | 1.50 | 2.84 | 2.00 | 1.45 | ..... | 8.73 | 8.00 | 20 30 | 17.60 |
| 28834 | Dissolved Bone..... | Bel Air ..... | 2.02 | 2.00 | ..... | ..... | 1.07 | ..... | 12.01 | 12.00 | 22 92 | 22.40 |
| | **Rob't A. Wooldridge Co., Balto., Md.** | | | | | | | | | | | |
| 28592 | Champion Stag Phosphate..... | Baltimore..... | 1.13 | 1.00 | 2 03 | 2.00 | 1.07 | ..... | 9.55 | 9.00 | 18.44 | 16.80 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28911 | Chieftain Phoshate | Boonsboro | 2.08 | 2.00 | 2.38 | 2.00 | 1.30 | | 8.10 | 8.00 | $20.94 | $19.60 |
| 28646 | Double Quick Phosphate | Baltimore | 2.51 | 2.75 | 3.20 | 3.00 | 1.20 | | 9.97 | 9.00 | 25.68 | 24.80 |
| 28453 | Dried Blood | White Msh. (F. M. G.) | 16.13 | 16.00 | | | | | | | | |
| 28934 | Farm's Fav. Cereal Comp (L Gr) | | .58 | .50 | 2.36 | 2.00 | .72 | | 6.58 | 7.00 | 12.87 | 12.40 |
| 28783 | Fernwood Grange Mixture | Centreville | 2.13 | 2.00 | 8.18 | 8.00 | 1.22 | | 8.02 | 8.00 | 26.81 | 25.60 |
| 28948 | Florida Acid Phosphate | | | | | | 1.02 | | 14.12 | 14.00 | 12.91 | 12.60 |
| 28817 | German Potash Mixture | Carrollton | | | 2.10 | 2.00 | .82 | | 10.43 | 10.00 | 11.65 | 11.00 |
| 28542 | Golden Cr. Ani. Bone Tk' Phos. | Baltimore | 6.95 | 7.00 | 5.48 | 5.00 | 1.42 | | 6.78 | 6.00 | 41.99 | 40.20 |
| 28903 | High Grade Acid Phosphate | Baltimore | | | | | .52 | | 16.15 | 16.00 | 14.64 | 14.40 |
| 28707 | H. G. Amm'd Potash Fert | Baltimore | 2.03 | 2.00 | 10.38 | 10.00 | 1.12 | | 8.06 | 8.00 | 28.62 | 27.60 |
| 28515 | H. G. Dis. Animal Bone | Baltimore | 2.25 | 2.50 | | | 1 97 | | 10.53 | 12.00 | 22.43 | 24.40 |
| 28894 | Ideal Grain & Grass Producer | Baltimore | | | 4.10 | 4.00 | .90 | | 10.43 | 10.00 | 13.67 | 13.00 |
| 28709 | Liberty Bell Potash Mixture | Baltimore | | | 3 30 | 3.00 | .97 | | 12.01 | 12.00 | 14.30 | 13.80 |
| 28581 | Muriate of Potash | Baltimore | | | 52.36 | 49.00 | | | | | | |
| 28519 | No. 1. Phos. & Potash (Low Gr) | Baltimore | | | 3.24 | 3.00 | .52 | | 7.10 | 6.00 | 9.73 | 8.40 |
| 28710 | No 2. Phosphate & Potash | Baltimore | | | 5.28 | 5.00 | .67 | | 8.41 | 8.00 | 12.98 | 12.20 |
| 28508 | Old Sledge Phosphate | Baltimore | | | 5.52 | 5.00 | .52 | | 11.85 | 12.00 | 16.29 | 15.80 |
| 28678 | Sovereign Trucker | Baltimore | 4.74 | 5.00 | 5.18 | 5.00 | 1 15 | | 7.63 | 7 00 | 33.76 | 33.40 |
| 28671 | Spec. Potato & Tobacco Fert | Baltimore | 2.05 | 2.00 | 4.64 | 5.00 | 1.07 | | 9.05 | 9.00 | 24.13 | 23.80 |
| 28543 | Sweep Stakes Sure Shot Truck | Baltimore | 3.11 | 3.00 | 8 32 | 8.00 | 1 22 | | 7.73 | 7.00 | 30.53 | 28.40 |
| 28643 | Triumph Brand Phosphate | Baltimore | 1.60 | 1.50 | 4.02 | 4.00 | 1 27 | | 8.01 | 8 00 | 20.54 | 19.60 |
| 28784 | Triumph Brand Phosphate | Centerville | 1 53 | 1.50 | 4.48 | 4 00 | 1 62 | | 9 28 | 8.00 | 22.39 | 19.60 |
| 28647 | Truckers Success | Baltimore | 4.85 | 5 00 | 7.44 | 7.00 | 1.42 | | 6.85 | 6.00 | 35.63 | 34.20 |
| 28912 | Tuckahoe Bone Meal | Boonsboro | 3.79 | 3 00 | | | *14.55 | *13.73 | | | 23.89 | 20.24 |
| | **Wooldridge Fertilizer Co., Balto., Md.** | | | | | | | | | | | |
| 28634 | Curacao Guano | Baltimore | | | | | 10 55 | 13.00 | 11 98 | 9.00 | 12.89 | 10.70 |
| 28732 | H. G. Potato & Tomato Grower | Baltimore | 1.91 | 2.00 | 5.26 | 5.00 | 1.00 | .50 | 7.63 | 9.00 | 22 46 | 24.00 |
| 28711 | Tiger Bone Stock Phos. | Baltimore | 1.43 | 1.25 | 4.32 | 4.50 | .50 | | 9.23 | 8 00 | 21.32 | 19.10 |
| | **Wm. W. Woolston, Balto., Md.** | | | | | | | | | | | |
| 28648 | Potato Mixture | Baltimore | | | 5.34 | 5 00 | 1.77 | | 8.50 | 10.00 | 13.34 | 14.00 |
| | **Worcester Fertilizer Co., Snow Hill, Md.** | | | | | | | | | | | |
| 28845 | Animal Ammoniated Mixture | Snow Hill | 1 89 | 2 00 | 5.54 | 5 00 | 2.10 | | 8.68 | 8.00 | 24.36 | 22.60 |
| 28577 | Guano 7% | Snow Hill | 7.01 | 7.00 | 5 76 | 5.00 | 1.40 | | 7.93 | 6.00 | 43.88 | 40.20 |
| 28578 | Hancock Spec. Potato Mixture | Snow Hill | 5.14 | 5.00 | 8.14 | 7.00 | 1 00 | | 8.90 | 8.00 | 39.78 | 36.60 |
| 28846 | Peerless Fertilizer (Low Grade) | Snow Hill | .97 | .50 | 2 82 | 2.00 | 1.90 | | 9.85 | 8.00 | 19.28 | 13.60 |
| 28720 | Phosphate & Potash 12 & 5 | Snow Hill | | | 5.68 | 5.00 | .20 | | 13.03 | 12.00 | 17.45 | 15.80 |
| 28848 | Special Fish & Potash Mix | Snow Hill | 2.08 | 2.00 | 10.12 | 10.00 | 2.07 | | 9.81 | 8.00 | 31.04 | 27.60 |

*Total Phosphoric Acid.

| No. | Name and Address of Manufacturer and Name of Fertilizer | Place of Sampling (and Senders initials when not Sampled by the College Agent.) | NITROGEN Calculated as AMMONIA. | | POTASH. $K_2O$. | | PHOSPHORIC ACID. | | | | Comparative Value Per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Insoluble. | | Available. | | | |
| | | | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | Found. | Guaranteed. | | |
| | **Worcester Fertilizer Co., Snow Hill** | **, Md.** | | | | | | | | | | |
| 28847 | Special Plant Food | Snow Hill | 1 35 | 1.00 | 5.66 | 5.00 | 2 52 | ..... | 11.28 | 10.00 | 25.61 | 21.00 |
| 28721 | Wheat & Grass Mixture | Snow Hill | 1 18 | 1.00 | 4 34 | 4.00 | 1 40 | ..... | 8.98 | 8.00 | 20.40 | 17.60 |
| | **York Chemical Works, York, Pa.** | | | | | | | | | | | |
| 28818 | Dempwolf's Phos. & Potash | Manchester | ..... | ..... | 2.04 | 2.00 | .52 | ..... | 10.46 | 10.00 | 11.55 | 11.00 |
| 28838 | Dempwolf's Standard Potash | Baldwin | 1.04 | 1.00 | 4.48 | 4.00 | 1.12 | ... | 7.07 | 8.00 | 17.57 | 17.60 |
| 28819 | Dempwolf's York Special | Manchester | ..... | ..... | 3.82 | 4.00 | .55 | ..... | 9.45 | 8.00 | 12.44 | 11.20 |

The fertilizer situation is now complicated by conditions in Europe, especially as regards the supply of potash, for which we depend on the German deposits. This supply is now cut off by the war and it will probably be some time before it will be again available. While much of the potash for the fall trade has been shipped or is in this country, the fact that there is no more in sight will cause this supply to be used sparingly and at an advanced price.

Much of the sulfur ore, in the form of iron pyrite, a compound of sulfur and iron which is largely used to make the sulfuric acid used to make acid phosphate, comes from Spain and the supply will probably be somewhat interfered with, as it is carried in the ships of the nations now at war. However, there are supplies of pyrite in this country and unlimited supplies of sulfur which may be used to make sulfuric acid, tho this would involve expensive alterations at the factories.

Our supplies of nitrate of soda come from the west coast of South America and probably will not be seriously interferred with. This, however, is one of the most essential of war supplies, as from it is made the nitric acid and nitrates used in practically all gunpowders and explosives. This fact may interfere somewhat with the normal commerce in this material and its use as a fertilizer.

On the other hand, it may be that there will be a considerable reduction in the amount of fertilizer used for cotton, because of disturbed conditions in the European cotton market, and this will tend to ease the situation for the farmers of Maryland.

# ... THE ...
# MARYLAND AGRICULTURAL COLLEGE

## COLLEGE PARK, MARYLAND

**Entrance Examinations, September 15-16, 1914.**

**Fall Term Begins September 17, 1914**

NINE COURSES OF INSTRUCTION LEADING TO

## *Professional Degree of B. S.*

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